Washington Converts Argentina—page 5

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October 20, 1941

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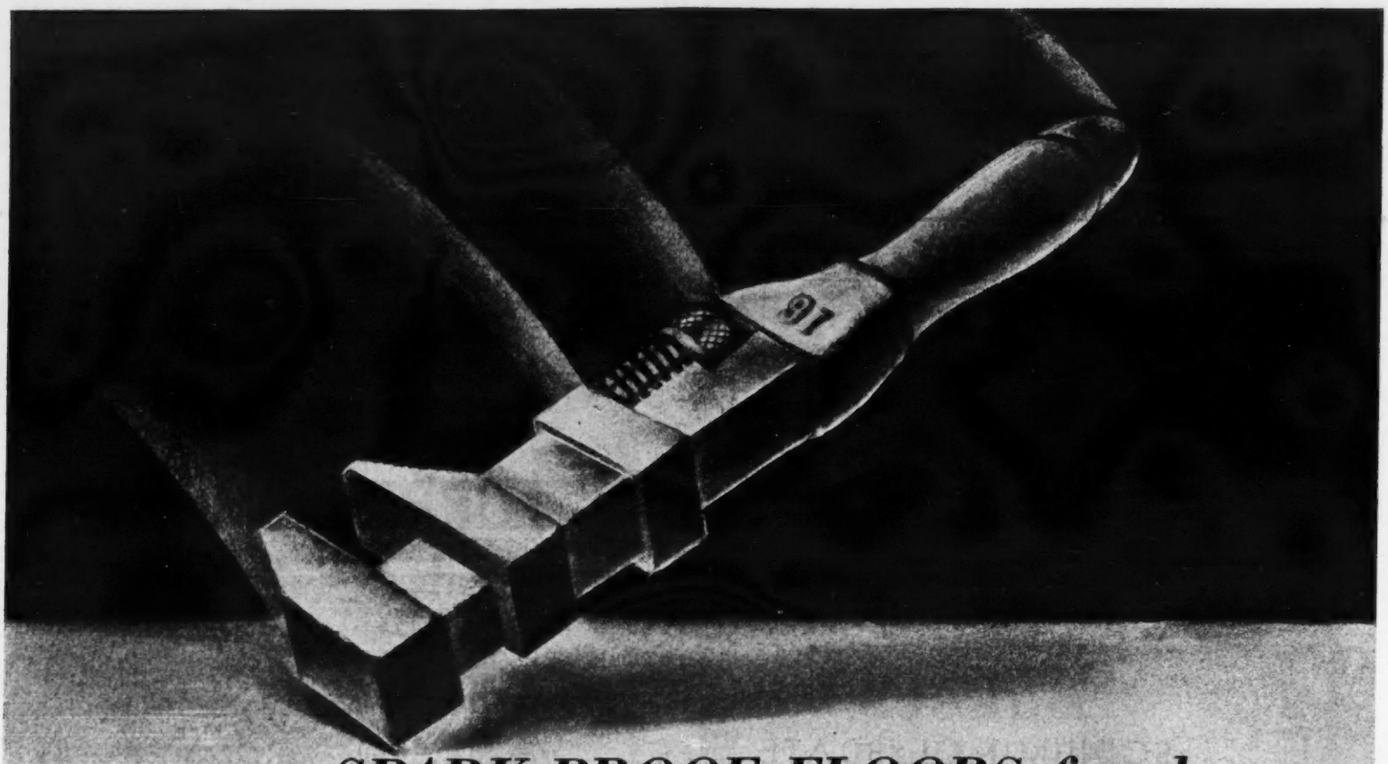

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Price Hearing Told Of Inflation Influences

OPD Washington Bureau
October 16, 1941

Charges of "outrageous" profits being made on defense contracts and "scandalous" increases in executive salaries in firms engaged upon defense work, made before the house banking and currency committee today by Representative Albert Gore, of Tennessee, only served to add to the complete confusion surrounding proposed legislation for price controls in order to check inflationary tendencies in the national economy.

Representative Gore, who is author on a substitute price control bill, interrupted testimony by Dr. Isadore Lubin, Commissioner of Labor Statistics, to tell the committee that "reliable sources" have informed him of enormous profits being made upon Army and Navy contracts and of large increases in salaries of executives, designed to evade the excess profits taxes. Occurences of this sort are increasing, he said, and make it imperative that legislation limiting profits and placing ceilings on prices, be enacted immediately.

The Administration price control measure (H.R. 5479), introduced by Representative Henry Steagall, of Alabama, chairman of the committee, authorizes the President to establish ceilings on prices when he decides such prices are getting too high; provides that no ceiling may be established upon agricultural commodities below 10 percent of the parity price for the commodity; and authorizes the President to establish rent ceilings on

—Continued on page 60

Drug Industry Learners Wage Hearing Set

OPD Washington Bureau
October 14, 1941

Public hearing on the employment of learners at less than the minimum wage rate in the drug, medicine and toilet preparations industry was ordered today by the Wage and Hour Division. The hearing will be before Alex G. Nordholm, of the hearings branch of the division, and will be held on October 27 at 10:00 a.m. in room 3229, Department of labor building, Washington.

Following the issuance of a wage order for the drug, medicine and toilet preparations industry, effective last July 7, providing minimum wages of 40 cents per hour in the industry, the division received applications from the Toilet Goods Association, and other interested parties, requesting permission to employ learners at wages less than the applicable minimum named in the wage order.

At the hearing opportunity to present evidence will be afforded any

—Continued on page 52

Bottle Closure Ass'n Denies F.T.C. Charges

OPD Washington Bureau
October 13, 1941

National Association of Sanitary Milk Bottle Closure Manufacturers, Philadelphia, its officers and executive committee members, and eight manufacturers of closure milk bottle caps have filed answers to a complaint issued by the Federal Trade Commission charging them with carrying out combinations and agreements for fixing and maintaining prices, and other practices in restraint of trade.

The answer admits allegations of the complaint that it has been the

—Continued on page 52

Chemical Price Men Reallocated by OPA

OPD Washington Bureau
October 16, 1941

Clarence W. Farrier has been appointed price executive of the chemical section of the Office of Price Administration. He succeeds Dr. Theodore J. Kreps as head of the chemical section. Dr. James Ross, who has been acting price executive since Dr. Kreps returned to Stanford University, remains in the section as deputy price executive and chief of the chemical economics unit.

OPM Bars Aluminum To Priorities Violator

OPD Washington Bureau
October 16, 1941

Drastic and sweeping punitive action against a violator of priority orders was taken today. Priorities Director Donald M. Nelson signed a suspension order which shuts off all aluminum operations of the Central Pattern & Foundry Company, Chicago, until March 31, 1942, except that the company may use aluminum in inventory to complete defense orders on its books as of October 1.

The order, marking the first direct punitive action against a violator, states that the Chicago company's violations diverted much-needed aluminum from vital defense production and thereby held up and delayed the defense program of the United States.

DCAT Fall Outing Program Completed

An open forum on questions of priority, labor and other current problems will be held at the sixth annual Fall outing and golf tournament of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, at Skytop, Pa., October 23-25.

—Continued on page 58

U.S.-Argentina Trade Pact To Become Effective Nov. 15

OPD Washington Bureau, October 14, 1941

A reciprocal trade agreement was signed today between the United States and the Argentine Republic, reducing duties of both nations on a long list of commodities and binding others against increased rates. The agreement becomes provisionally effective November 15, pending the exchange of formal ratifications, and will remain in effect until November 15, 1944, and thereafter unless specifically terminated by either party.

In general the agreement follows those made between the United States and other countries, but it contains a number of novel provisions occasioned by trade disruptions growing out of the European war.

The Argentine concessions contain two sets of rates for many commodities, the first to take effect immediately and the second to take effect when Argentine customs revenues exceed 270,000,000 paper pesos in any calendar year.

United States concessions are also listed in two tables, schedule II covering concessions granted unconditionally, and schedule III covering products of which Argentina is not normally the principal supplier, and it is provided that the duty reductions in this schedule may be terminated on six months' notice any time after the termination of the European war. Another new feature is the creation of a mixed commission to consult on all matters connected witht the agreement.

There is also a special provision relating to flaxseed. The duty on flaxseed, now 65 cents per bushel, is reduced to 50 cents per bushel in schedule II, but it is provided that the rate

—Continued on page 51

Alcohol for Defense Furthered in Congress

OPD Washington Bureau
October 16, 1941

Representative Bertrand W. Gearhart of California today introduced a bill (H.R. 5852) to permit whisky distillers to make sales of industrial alcohol to government agencies without payment of tax on the same basis that export sales are now permitted. The bill was referred to the committee on ways and means of which its author is a member.

The bill is designed to permit distillers to make alcohol for defense purposes without interrupting their liquor business. A bill (H.R. 5811) similarly purported was introduced last week by Representative Everett Dirksen of Illinois, but met protests from the Manufacturing Chemists Association to the effect that it was so worded as to break down the distinction between producers of industrial alcohol and distillers of beverage spirits.

The Gearhart bill is said to accomplish the desired purpose without upsetting the present legal distinction. It would amend section 2888 of the internal revenue code to embody therein a suggestion made to the Manufacturing Chemists Association by James P. McGovern, who was counsel for the Industrial Alcohol Institute prior to its disbanding some months ago. This suggestion was advocated by the association's executive committ-

—Continued on page 52

Repair Materials Priority Liberalized

OPD Washington Bureau
October 16, 1941

A liberal priority plan to provide maintenance and repair materials and operating supplies to manufacturing and service industries generally was announced today by the Priorities Division of the Office of Production Management.

The order is a reissue of P-22, previously applied to only twenty industries and more limited in scope. It permits concerns to obtain an A-10 rating without applying to Washington, simply by certifying on the order that the purchase comes within the terms of Order P-22.

The announcement makes it clear that this procedure is not to be used to obtain supplies for production, that is, which go into a product for sale, but only for the purpose of keeping a plant in operating condition. The order contains a number of restrictions against misuse, and violation is subject to punitive action.

Dow Co. Get Award For Magnesium Research

Colonel Alfred H. White, head of the department of chemical and metallurgical engineering at the University of Michigan, announced today that the Dow Chemical Company is to receive the 1941 award for chemical engineering achievement based on its pioneering research in the recovery of metallic magnesium from sea water.

This award is made by *Chemical and Metallurgical Engineering*, New York, to that company, which, in the opinion of the committee of awards, has "contributed the most meritorious advances to the industry and profession," since December, 1939. Presentation of the award will be made at a dinner in New York on December 2 in connection with the National Exposition of the Chemical Industries at Grand Central Palace.

Trade Restraints and Business

By James A. Horton
Chief Examiner, Federal Trade Commission

(Continued from October 13 issue)

Influence of Sherman Act

After the passage of the act, those engaged in production and distribution were compelled to alter, extend or develop their interests according to their own conception of the meaning of the statute, in peril of indictment, prosecution, conviction and punishment, if their opinions and actions in that respect should turn out to be wrong, and this without regard to the honesty of their motives or the appropriateness of their business policies to make or maintain for themselves a place in the business life of the nation, which could only be done by engaging in that struggle for advantage clalled competition.

As the administration of the act developed, the perplexities of the businessman and the problems and difficulties of enforcing the statute became apparent and finally brought a relaization that conditions with respect to combating unlawful restrains of trade were unsatisfactory and that more effective legislation was necessary. The demand for it continually gained momentum during a period in which State legislatures, Congress, and informed public writers were involved in discussions as to what policy should be embodied in additional legislation. Again there was a clash of opinion.

The thesis which was reflected in the Sherman act still had its adherents who deemed it only necessary to clarify the general list of practices condemned by that act with legislation prohibiting specifically, all practices which experience had shown to be the tools whereby monopolies and restraints of trade were fabricated. The weakness of this position had already been demontsrated and, indeed, was the principal cause of the demand for additional legislation. It should have been obvious that the many forms which practices of a monopolistic character or in restraint of trade might, and undoubtedly would, take in order to circumvent the law could not possibly be foreseen and forestalled in a list of specific prohibitions. A wide field of uncondemned activity would still be open to manipulation by those highly skilled by experience in methods of competitive attack.

The opposing philosophy, which had

—Continued on page 31

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals, oils, and drugs is currently as follows:—

Oct. 17, 1941	Oct. 10, 1941	Oct. 18, 1940
133.3	133.3	101.1

Essential oils and aromatic chemicals are up from the preceding week; oils, fats, and waxes are down. All other groups are unchanged.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Cottonseed Oil Up

Refined cottonseed oil futures rallied on Friday, closing prices being 55 to 70 points above the low figures of the week. Lard, soybeans and cotton rallied sharply. Shorts covered. Some of the buying was based on a report from Washington that farm products would not be included in pending price control legislation. Outside lots of tallow were reported to have sold at 8¾c. per pound

Caddo Crude Advanced

Standard Oil Company of Louisiana made price adjustment equivalent to advance of 2c. per barrel in its postings for Caddo crude oil by bringing prices in line with those prevailing for Rodessa grade.

Defense Materials Price-Trend Index

An increase in quotations for rubber not under control of the Rubber Reserve Company caused the Bureau of Labor Statistics' index of market prices of strategic materials to rise 0.1 percent during the week ended October 11. The index is now 143.3 percent of its pre-war level, the peak since August 1939.

Index numbers of market prices of strategic and critical materials are:—

(August 1939 = 100)

1941.	Strategic.	Critical.
Sept. 13	142.5*	117.1
Oct. 4	143.2*	117.4
Oct. 11	143.3	116.4

* Revised.

Bids Wanted

Boiler Compound:—100,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9053, opening October 28.

Drugs:—98,000 pounds; Department of Purchase, City of New York; opening October 23.

Dry Colors:—Substantial tonnage; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9006, opening October 31.

Lead, White:—101,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 8924, opening October 24.

—Continued on page 63

Solvay Sales Issues 1942 Alkali Prices

Solvay Sales Corporation, this city, has announced that, effective October 15, contracts for 1942 deliveries of soda ash and caustic soda were being written. The only change made in carload and less carload price schedules is an increase of 5c. per 100 pounds on soda ash in burlap bags, made necessary by the increased cost of this container. Prices for carloads, f.o.b. sellers' works are as follows:—

Soda Ash, 58 Percent

	Per 100 lbs.
Light, bulk	$0.90
bags, paper	1.05
bags, burlap	1.13
barrels	1.35
Extra light, bulk	.90
bags, burlap	1.13
barrels	1.45
Dense, bulk	.95
bags, burlap	1.15
barrels	1.35

Caustic Soda, 76 Percent

Solid, drums	2.30
Flake, drums	2.70
barrels	2.95
Ground, drums	2.70
barrels	2.95
Powdered, drums	2.70
barrels	2.95
50 percent liquid, sellers' tankcars	1.95
*buyers' tankcars	1.925
73 percent liquid, sellers' tankcars	2.00
*buyers' tankcars	1.975

* Basis 76 percent Na_2O.

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Chemical Prices Steadier

There was no net change last week in the general price level of the markets for chemicals and related materials. Reductions exceeded advances for the first time in many weeks; but the downward influence of reductions in fixed oils was offset by a boost in the volatiles.

The new alkali schedule had only one change—an increase on soda ash when packed in burlap bags (because of the high cost of burlap). Other 1942 schedules announced extended prices of white sal ammoniac, nitrate of soda, and carbonate of potash unchanged.

Business became more and more official. Priority control was laid on chlorinated solvents. More price ceilings were near at hand. Some new materials were coming to market, largely in the form of hitherto wastes.

Prices were advanced on zinc dust, wormseed oil, cube and derris roots, gum rosin, and gum and steam-distilled wood turpentines.

Prices were reduced on lard, major vegetable oils, pyrethrum flowers and concentrate, Argentine casein, citronella oils, tankage, imported bones, dried blood at Chicago, and cottonseed meal in the Southeast.

The result of the changes is shown in the *OPD Price Index* at the top of the column on the left.

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N.P.V.L.A. Convention Program Drafted

OPD Washington Bureau
October 16, 1941

The business program for the fifty-third annual convention of the National Paint, Varnish and Lacquer Association, to be held in Chicago, October 29-30-31, 1941, with headquarters at the Drake Hotel, immediately following the convention of the Federation of Paint and Varnish Production Clubs, October 27-28, at the same hotel, was announced today by President Ernest T. Trigg, of the National

—Continued on page 40

Emery Industries Names Ruston General Manager

Norman A. Ruston has been named general manager of Emery Industries, Inc., Cincinnati. He succeeds to the

Norman A. Ruston

vacancy caused by the death of Edwin W. Reese, who was killed September 27 when the automobile he was driv-

—Continued on page 47

Agricultural Chemists To Meet October 27

OPD Washington Bureau
October 15, 1941

The Association of Official Agricultural Chemists will hold its fifty-seventh annual meeting in the Willard hotel, Washington, October 27-29. Following the annual address of the president, Dr. L. B. Broughton of the University of Maryland, the program calls for the presentation of 305 reports from committees and referees on methods of analyzing and testing products covered by State and Federal regulatory laws. Most of these reports will be presented at section meetings on alcoholic beverages, soils, liming materials and fertilizers, food products, drugs, cereals, feeding stuffs, and cosmetics and coal-tar colors.

Sales in August

Sales of manufacturers, wholesalers, and retailers in August this year ran well ahead of the values for the corresponding month of 1940. Exports of most articles also were up. Inventories were above 1940 levels in all divisions at August 31.

The national total of individuals' incomes was up 22.2 percent from August, 1940; wholesale prices in general at the end of the month were 19.3 percent higher than in 1940; prices of chemicals, oils, and drugs were 28.2 percent higher.

Comparisons with 1940 of interest in the chemical and related industries follow:—

Manufacturers' Shipments

	August.
Chemicals and allied products	+ 43.1
Paper and allied products	+ 41.1
Petroleum refining	+ 47.6
Rubber products	+ 32.3
Textile mill products	+ 70.8

—Continued on page 61

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Politics, common or garden variety, prevented negotiation of a reciprocal trade agreement with Argentina (page 3) during the years when tariff bargains with Latin America were all the vogue. Now politics of the international variety has made the pact possible. The protests of domestic producers of meat, flaxseed, and casein can be ignored by the administration in the face of the larger stakes of getting Argentina into the Good Neighbor fold. Argentina has been the chief opponent of the United States in many a Pan-American conference, and our tariff bars against her products have been an important cause. Until recently, at least, Argentina was also suspected of being the most pro-Axis of any South American nation. The new trade agreement is expected to alter both of these conditions quite materially.

Although commonly thought of as only an agricultural region, the last census in the Argentine revealed that manufacturing industries contributed more to the national income than agriculture, showing the extent of industrialization south of the River Plate. This condition had an important bearing on drafting the agreement, which contemplates export of industrial equipment and supplies as well as imports of agricultural products.

Rubber Needs Chemicals

Rubber manufacturers are discovering they are short of a chemical they didn't know they used. It's anilin, and the rubber industry normally takes from 30 to 40 percent of annual production. But first it's made into accelerators and antioxidants, and the rubber-men get these under various names and never bothered to learn where they came from until defense uses started cutting into the anilin supply.

The rubber-men are also being pinched for zinc oxide, which makes up about one-eighth of the weight of many manufactured rubber products. An offsetting factor is the growing use of reclaimed rubber which already contains zinc oxide, carbon black, and other chemicals, and so smaller quantities of these are needed in the mix. Before the emergency, reclaimed rubber equaled about 25 percent of the crude rubber used in this country; last year it was 30 percent, and in September, '41, it was 44 percent. The top limit probably is around 50 percent.

Priority Enforcement

When Donald Nelson took over the priorities system he announced that it would be (a) speeded up and (b) enforced. He tackled the first objective immediately, with good results, and at once set out to train a corps of inspectors to check compliance. He borrowed 275 inspectors from the Labor Wage and Hour division and gave them a special course of instruction on the aluminum allocation orders. Then he set them to auditing the books of some 1,800 aluminum casters and fabricators. Results so far indicate that willful violations are not widespread, but a number of suspicious cases are getting further attention.

This week Nelson announced (page 3) that one violator, the Central Pattern & Foundry Company, Chicago, had been unable to give a satisfactory explanation and had been denied further supplies of aluminum until March 31, 1942. He hinted broadly that similar action may be taken soon against several other aluminum fabricators and users. Nelson is also borrowing several hundred additional inspectors from the Federal Trade Commission and other agencies and training them to make intensive checks on other industries, one at a time.

Nelson says the priorities system is designed to channel strategic materials into the defense program; that he knows of no other way to accomplish this; that he is going to get compliance; and that if present laws aren't sufficient he will ask Congress for more enforcement legislation. In the early days of priorities a good portion of the preference ratings were voluntary, but now they are all mandatory —and how.

Fair Trade Attack

The admission of Holmes Baldridge, chief of the trial section of the antitrust division of the Department of Justice, that his agency is gunning for price-maintenance agreements is news only because he says so publicly. The fact has never been a secret. The D. of J. officially asked TNEC to work for repeal of the Tydings-Miller act. This week Baldridge told the National Association of Food Chains in Chicago that the department is still of the same opinion, and while it does not oppose State fair trade laws (which would be of little effect without the Tydings-Miller act) it is working to stop the way in which they are used to keep up prices of things people buy.

What he could have said was that the department is investigating complaints that retailers have conspired to force manufacturers to fix resale prices. Since he was speaking to food chains, which don't use "fair trade" much, observers think he was tipping off other trades, particularly drug and toilet goods. The department has never admitted that its current grand jury investigation of certain drug and toilet goods distributors and associations is aimed at resale price-maintenance, but no one has doubted that such is the objective.

Oil or Gas from Texas

Gallery visitors have been disappointed in Texas's new senator, Lee ("Pass the Biscuits") O'Daniel. He doesn't wear a cowboy suit, play a guitar, or sing hill-billy songs since he left the Lone Star State. But he is right on the job looking out for the present and future interest of his constituents and their descendants. He doesn't want any of the natural gas of Texas to be exported to any other State; says this is one of the irreplaceable natural resources that has attracted much new industry to Texas, and it should be kept there for Texas industry to use, now and forever more. As a member of the senate committee investigating the oil shortage—maybe it's only a shortage of surplus—his chief interest has been the fear that the proposed 24-inch, 1,500-mile pipeline from Texas through Philadelphia to New York harbor might be used for natural gas after the oil shortage, if any, has passed. Failing to get anything definite out of any of the witnesses, O'Daniel has now introduced a bill to prohibit any oil pipeline built as a defense measure from ever being used to transport natural gas.

As far as anyone can learn, the only real basis for this fear is an off-hand remark of certain officials of the Office of Petroleum Coordinator that if the pipeline ever proved uneconomic for oil it might possibly be used for gas. But the suspicious-minded ask who thought up the idea of a 24-inch line, which is standard for gas but twice as large as any oil line in this country. Last May the oil industry suggested two 10-inch or 12-inch lines, but Ickes recommended the one big one. Some suggest Ickes may be trying to short-circuit the Federal Power Commission, with which he has been feuding and which normally would have had jurisdition over any new interstate gas line. Others recall that one of the major oil companies proposing to build the line has headquarters in Philadelphia, where certain officials of the company don't get along well with the local gas manufacturing company. But Lee O'Daniel is taking no chances with the

—*Continued on page* 36

Sperm Oil Put Under Full Priority Control

OPD Washington Bureau
October 16, 1941

All supplies of sperm oil, both crude and refined, today were placed under full priority control by the Division of Priorities. The control is provided in General Preference Order M-40. This order prevents deliveries of sperm oil except for defense purposes and also provides that any dealer holding in excess of 100,000 pounds of sperm oil on the effective date of the order shall set aside 30 percent of all stocks in a special pool out of which specific allocations can be made by the Director of Priorities. Such dealers are required to continue to set aside 30 percent of shipments received for the same purpose.

Consumption of sperm oil during the first six months of 1941 was over 14,460,000 pounds, compared with consumption of only 13,500,000 pounds for the whole year of 1940. Main points of the order are:—

1. Dealers holding more than 100,000 pounds shall set aside 30 percent of stocks on hand for allocation by the Director of Priorities and shall set aside a similar amount of each shipment received.
2. All defense orders for sperm oil not specifically assigned a higher rating are given a rating of A-10.
3. Dealers are required to deliver sperm oil only upon defense orders, subject to the provisions of Priority Regulation No. 1.

E.K. Bolton Awarded S.C.I. Medal

The Chemical Industry Medal of the Society of Chemical Industry will be presented to Dr. Elmer K. Bolton, chemical director of E. I. du Pont de Nemours & Co., at a joint meeting of the American Section of the Society of Chemical Industry, the New York Section of the American Chemical Society and the New York Section of the American Institute of

—*Continued on page 29*

Chemical Plants Expansion Approved

Of the certificates of necessity approved by the National Defense Advisory Commission from September 1 to September 16, in connection with the construction and acquisition of new manufacturing fact facilities, were the following:—

Abrasives:—Norton & Co., Worcester, Mass.; $45,000.

Alumina:—Alumina Ore Company, Pittsburgh, Pa., alumina, cryolite and flouride; $291,000.

Chlorinated Dipehnyl: — Monsanto Chemical Company, St. Louis; $319,000.

Dried Eggs:—Fort Worth Poultry & Egg Company, Fort Worth, Tex.; $20,000.

Dried Eggs:—Wilson & Co., Chicago; $66,000.

Dried Eggs:—Priebe & Sons, Chicago; $52,000.

Dried Eggs:—Jersey Commission, Inc., Omaha; $330,000.

Graphite:—Speer Carbon Company, St. Mary's, Penna.; $513,000.

Magnesium Metallic:—Todd Shipbuilding Corporation, Oakland, Calif.

Maleic Anhydride:—National Aniline & Chemical Company, New York; $101,000.

Tricresyl Phosphate:—Ohio-Apex, Inc., Nitro, West Va.; $55,000.

OPM Opens Five More Field Contract Distribution Offices

OPD Washington Bureau
October 14, 1941

Field offices of the Contract Distribution Division of Office of Production Management have been opened in five additional cities to help qualified manufacturers obtain defense work. Director Floyd B. Odlum announced today. These offices and their addresses are as follows:—

Albany, N. Y.—75 State street, State Bank building.

Portland, Me.—Room 501-502, 443 Congress street.

Rochester, N. Y.—Chamber of Commerce building, 55 St. Paul street.

Spokane, Wash.—629-630 Old National Bank building.

Springfield, Mass.—95 State street.

This brings the total number of such field offices to forty-eight. Additional offices in other industrial centers will be established as rapidly as possible.

Chlorinated Solvents Under Rigid Control

OPD Washington Bureau
October 15, 1941

Acting upon advices from the Department of Agriculture to the effect that the nation's food supply was facing a serious threat as a result of shortages of certain chemicals used by farmers and food warehouses for fumigation purposes, Donald M. Nelson, Director of Priorities, today placed under rigid control all stocks of chlorinated solvents. These are defined in the order as:—Carbon tetrachloride, trichlorethylene, perchlorethylene and ethylene dichloride.

Preference Rating Order M-41 assigns a priority rating of A-10 to all defense orders for these solvents, which have not been granted the assistance of a higher rating; and sets up a "ladder of uses" with respect to the supply of these chemicals after defense requirements have been met.

After making provision for deliveries to fill defense orders, a producer

—*Continued on page* 29

Corn Products Answers F.T.C. on Price Charges

A defense of the basing point system of pricing manufactured products was made by Corn Products Refining Company in a brief filed with the Federal Trade Commission.

The company asked for oral argument on the commission's finding that it had violated the Robinson-Patman act.

The method of fixing delivered prices at different destinations is what is known as the basing point method, which has existed so long and in so many industries that it should be held lawful unless clearly prohibited by the Robinson-Patman act, the company asserted. The Federal Trade Commission had not used the term "basing point," but had instead charged

—*Continued on page* 35

Zone Pricing Again Basis of F.T.C. Charges

OPD Washington Bureau
October 15, 1941

Eight manufacturers of crepe paper and an unincorporated trade association, whose membership is composed of six of the respondent corporations, and its manager, are charged in a complaint issued by the Federal Trade Commission with entering into a conspiracy and combination to hinder and prevent price competition in the sale of crepe paper.

The respondent association and the respondent Lincoln are not engaged in commerce but, according to the complaint, have aided, abetted and cooperated with the other respondents in the acts and practices alleged in the complaint. Pursuant to this combination and agreement, the complaint continues, the respondents have:—

(1) Fixed and maintained uniform delivered prices; (2) established and maintained geographical zones of identical delivered prices, zone boundaries, and price differentials between such zones; (3) arbitrarily computed or averaged delivery costs and freight allowances within each delivered price zone from some common shipping point or points to all delivery points therein, in order to prevent differences in delivery cost from the various plants of the respondent manufacturers to their customers from creating any differences in delivered prices.

Farm Cooperatives Are Indicted in 'Trust' Suit

OPD Washington Bureau
October 14, 1941

The Department of Justice announces that a Federal Grand Jury, sitting in the Southern District of New York, today returned an indictment charging a conspiracy to restrain and monopolize interstate trade and commerce in the marketing of fresh cranberries and canned cranberry sauce in violation of the Sherman antitrust law.

Since some of the defendants involved are farm cooperatives organ-

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MERCK CONTRIBUTIONS IN THE VITAMIN FIELD

1934	*Ascorbic Acid Merck (U.S.P.) was made available.*
1936	*Vitamin B_1 was synthesized in the Merck Research Laboratories.*
1937	*Vitamin B_1 Crystals Merck (Thiamine Hydrochloride U.S.P.) was made available.*
1938	*Nicotinic Acid Merck (U.S.P.) was made available.*
1938	*Riboflavin Merck (Vitamin B_2) was made available.*
1938	*Alpha-Tocopherol (Vitamin E) was identified and synthesized by Merck chemists and their collaborators in other laboratories.*
1939	*Vitamin B_6 was synthesized in the Merck Research Laboratories.*
1940	*Vitamin B_6 Hydrochloride Merck was made available.*
1940	*Alpha-Tocopherol Merck (Vitamin E) was made available.*
1940	*2-Methyl-3-Phytyl-1, 4-Naphthoquinone (Vitamin K_1) was made available.*
1940	*2-Methyl-Naphthoquinone Merck (Vitamin K Active) was made available.*
1940	*Pantothenic Acid (Member of B Complex) was identified and synthesized by Merck chemists and their collaborators in other laboratories.*
1940	*Calcium Pantothenate Dextrorotatory Merck was made available.*

WITH vitamins commercially available as pure substances, it is possible to formulate desirable vitamin combinations with consummate ease. By using these pure chemicals of known and uniform potency, the proportions of the individual vitamins can be readily adjusted to meet the pharmaceutical manufacturer's specific requirements. It is only through the use of these pure vitamins that the high dosages indicated in severe deficiency states can be provided.

The identity of pure vitamins produced by chemical synthesis, and pure vitamins derived from natural sources—in chemical composition, physiologic function, and physical characteristics—is definitely and authoritatively established.

Our scientific staff and laboratories are prepared to serve you.

MERCK

MERCK

FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE

★ *1818* ★

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

NEW YORK • PHILADELPHIA • ST. LOUIS • *In Canada:* MERCK & CO. Ltd., Montreal and Toronto

Current Market Quotations

October 17, 1941

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Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes, trends, and resale prices are noted in the market reports, with other informative comment. The locations of the several reports is indicated on page 4.

Defense Status of Materials

Application of SPAB regulations to materials listed below is indicated by superior figures as follows:—[1] Price Ceiling; [2] Price Suggestion or Agreement; [3] Full Priority Control; [4] Industry Control; [5] General Limitation Order; [6] Critical List (Army and Navy Munitions Board).

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb. lots....lb. .38 - —
kgs., 2,000-lb. lots....lb. .33 - —
smaller lots....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs., 2,000-lb. lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP,[2,6] dms., c.l., dvld.lb. .08½- .09½
l.c.l., dlvd....lb. .09 - .10
tanks, dlvd....lb. .07 - .08
Methyl (see M).
Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., dms....lb. 1.55 - 1.60
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., c.l., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs....100 lbs. 3.68 - 3.93
56%, bbls....100 lbs. 5.18 - 5.43
cbys., cs....100 lbs. 5.68 - 5.93
70%, bbls....100 lbs. 6.19 - 6.44
cbys., cs....100 lbs. 6.69 - 6.94
80%, bbls....100 lbs. 6.91 - 7.16
cbys., cs....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.25 -15.25
99.5%, bbls....100 lbs. 8.30 - 8.55
cbys. ....100 lbs. 8.80 - 9.05
tanks ....100 lbs. 7.25 -10.00
USP, cbys....100 lbs.11.00 -12.50
synth., 99.5%, al. dms, works, 100 lbs. 8.45 - 8.70
tanks, dlvd....100 lbs. 6.25 - —
USP XI, al. dms., works, 100 lbs.10.25 -11.00
CP, dms., works....100 lbs.13.50 -14.25
pure, 30%, bbls....100 lbs. 4.23 - 4.48
cbys., cs....100 lbs. 4.73 - 4.98
36%, bbls....100 lbs. 4.61 - 4.86
cbys., cs....100 lbs. 5.11 - 5.36
60%, bbls....100 lbs. 7.17 - 7.42
cbys., cs....100 lbs. 7.67 - 7.92
80%, bbls....100 lbs. 8.70 - 8.95
cbys., cs....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones unless otherwise indicated in the above prices.

Acetic, anhydride,[2] dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld....lb. .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.35 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld....ton.98.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
Acid, boric, tech., 99.5%, gran., bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Broenner's, bbls....lb. 1.11 - —
Camphoric, cns....lb. 6.95 - 7.00
Capric, dms....lb. .19¾- .20¼
Caproic, dms., works....lb. .25 - .30
Caprylic, dms....lb. .27 - .27½
Castor oil, split, dms....lb. .18¼- .18¾
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works....lb. .03½- —
single drum....lb. .04½- —
tanks, works....lb. .02½- —
Chromic,[2,3] 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots....lb. 3.50 Nom.
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots....lb. .21 - —
annydr. gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .16¾- .17¼
Cottonseed oil, dist., dms....lb. .14 - .14½
tanks ....lb. .13½- —
Cresylic (coaltar),[6] high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
imported, pale, dms...gal. No price
Cresylic (petroleum), high-boil (240°-300°), 20 or more dms., works..gal. .61 - —
1-19 dms., works....gal. .63 - —
tanks, dlvd., East. U.S.gal. .58 - —
medium-boil (222°-249°), 20 or more dms., works.gal. .67 - —
1-19 dms., works....gal. .69 - —
tanks, dlvd., East. U.S.gal. .64 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - .31
Gallic, tech., bbls....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots....lb. 1.25 - —
fib. dms., 25 lbs....lb. 1.29 - —
Gamma, bbls....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H. bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%, bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .08 - .08½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09½
Acid, hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys....lb. .21½- .22½
USP, X1, 85%, cbys....lb. .50 - .53
USP, VIII, 75%, cbys....lb. .48 - .51
Lauric, dist., tech., dms....lb. .18¼- .18¾
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .17 - .17½
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0085- .009
Molybdic, kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .08 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18½
Naphthenic, dom., acidity 220-230, dms., c.l., works..lb. .10 - —
l.c.l., works....lb. .11 - —
tanks, works....lb. .09 - —
235-245 acidity, dms., c.l., works..lb. .12 - —
l.c.l., works....lb. .13 - —
tanks, c.l., works....lb. .11 - —
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb cns....lb. 7.30 - —
5-lb. bots....lb. 7.46 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .11¼- —
10,000 lbs. or over....lb. .11½- —
smaller quantities....lb. .12½- .14½

Acacia—Acrylonitrile

Acid, palm oil, white, dist., dms..lb. .13¾- .14¼
tanks ....lb. .13¼- —
Paraminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.85 Nom.
Phosphoric, 50%, pure food grade, c.l., bbls., works, frt. equald.... 100 lbs. 4.00 - 4.25
cbys., works, frt. equald. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld.100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagons, dlvd., N.Y., Phila. Met. area.... 100 lbs. 4.00 - —
75% pure food grade, c.l., bbls., works, frt. equald. 100 lbs. 4.75 - 5.00
cbys., works, frt. equald. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld.100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, dlvd., N.Y., Phila. Met. area.... 100 lbs. 4.75 - —
USP, 85%, s. g., 1.710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1.347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —
Propionate, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns. ....lb. 1.53 - —
USP, cryst., cns....lb. 2.00 - —
resub., cns....lb. 2.50 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split). tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, tech., bbls., works..lb. .82 - —
Soybean oil, dist., dms....lb. .17½- .18
Stearic, dist., double pressed, bgs., dlvd..lb. .14¼- .15½
single pressed, bgs., dlvd..lb. .13¾- .14¾
triple pressed, bgs., dlvd...lb. .17 - .18
saponif., double pressed, bgs., dlvd..lb. .14½- .15¼
triple pressed, bgs., dlvd..lb. .17¼- .18¼
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.30 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .13½- —
consumers, cbys....lb. .08 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tch., bbls., dms....lb. .66 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots....lb. 1.15 - —
25-lb. lots....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .70½- —
smaller quantities....lb. .71 - —
kgs. ....lb. .71½- —
Tobias, bbls....lb. .55 - .60
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkg....lb. 2.94 - 3.10
pure, 100-lb. pkg....lb. 2.86 - —
Aconite, leaves, bls....lb. No stocks
Root, bls....lb. No stocks
Aconitine, amorph., bots....oz.23.00 -28.00
15-gr. vials....vial. 1.00 - —
cryst., bots....oz.42.00 - —
15-gr. vials....vial. 1.60 - —
Acrylonitrile, dms., c.l....lb. .34½- —
5,000 lbs. or more....lb. .35 - —
1 ton to 4,999 lbs....lb. .35½- —
1 dm. to 1 ton....lb. .36 - —
tank cars....lb. .34 - —

Adeps Lanae—Belladonna

Adeps lanae, anhyd., dms.....lb. .23 - .25
hyd., dms.....lb. .22 - .23
Agar, Kobe No. 1, strip.....lb. 2.00 - 2.10
gran., fib, dms.....lb. 2.45 - —
powd., fib dms.....lb. 2.50 - —
Kobe No. 2 strip, bls.....lb. 1.75 - —
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, c.l., f.o.b. Chicago, frt. alld..lb. .10 - —
ton lots, frt. alld.....lb. .12 - —
bgs., same basis.....lb. .13 - .15
light, dom., flake, dms., f.o.b. Chicago, frt. alld...lb. .65 - .75
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.70 - 1.75
powd., dms., bbls.....lb. 1.75 - 1.80
import, cs.....lb. 1.70 - 1.75
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .27 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
drums.....lb. .63 - —
Butyl, normal,[2] dms., c.l., frt. alld..lb. .11 - .12
l.c.l., frt. alld.....lb. .11½- .12¼
tanks, frt. alld.....lb. .10 - .11
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms.....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 3.00 - 3.60
Denatured,[1,2,3] CD14, dms., c.l., dlvd., E..gal. .38½- —
l.c.l., dlvd., dms.....gal. .43½- —
tanks, E., dlvd.....lb. .32½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35½- —
19 bbls., E. works..gal. .37½- —
1 to 18 bbls., E. works..gal. .40½- —
dms., c.l., E. works...gal. .33½- —
19 dms., E. works...gal. .35½- —
1 to 18 dms.....gal. .38½- —
tanks, E. works.....gal. .27½- —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30¼- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

SB23H, works, c.l., dms..gal. .34 - —
19 dms.....gal. .36 - —
1 to 18 dms.....gal. .39 - —
tanks .....gal. .28 - —
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .11½- .13
l.c.l., dlvd.....lb. .12 - .13½
tanks, dlvd.....lb. .10½- .12
tech., dms., c.l., dlvd.....lb. .11 - .12
l.c.l., dlvd.....lb. .11½- .12½
tanks, dlvd.....lb. .10 - .11
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 7.92½- —
19 dms.....gal. 7.96 - —
5 to 8 dms.....gal. 7.99 - —
1 to 4 dms.....gal. 7.99 - —
tanks .....gal. 7.86½- —
absolute, dms., c.l.....gal. 8.37½- —
19 dms.....gal. 8.41 - —
5 to 18 dms.....gal. 8.44 - —
1 to 4 dms.....gal. 8.44 - —

Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.

Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same terms.....lb. .0760- —
Isopropyl,[2] refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Mechanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb .55 - —
Alcohol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., works, lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 55 and 110 gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —

Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .11½- .12
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .68 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, bgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 5.45 - —
100-lb. kgs.....lb. 5.47 - —
25-lb. fib. dms.....lb. 5.54 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 4.25 - —
dlvd., N. Y., Phila...100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila...100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phila...100 lbs. 4.65 - —

Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
solut., 24%, l.c.l., 10 or over, dlvd..lb. .09½- —
1 to 9, dlvd.....lb. .10 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd., lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06¼- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0340- —
l.c.l., bbls., works.....lb. .04 - —
bgs., c.l., works.....lb. .0310- —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½- —
bbls., c.l., dlvd.....lb. .14½- —
l.c.l., bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works....100 lbs. 1.35 - 1.45
l.c.l., works, frt. equaled, 100 lbs. 1.60 - 1.70
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 28-90%,[2,3,4] c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
paste, lining, extra fine, dms., 200 lbs..lb. .56 - —
standard, dms., 200 lbs....lb. .38 - —
powder, lining, extra fine, dms., 200 lbs..lb. .93 - —
standard, dms, 200 lbs...lb. .59 - —
litho, lining, dms., 200 lbs..lb. .57 - —
unpolished, dms., 200 lbs..lb. .36 - —
varnish, standard, dms., 200 lbs..lb. .40 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; for containers, smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia aldehyde, dms., works, lb. .65 - .70
Anhydrous[2], fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration[2], tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stuck point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15½- .18
Borate, bbls., kgs.....lb. .15 - .16

Ammonia, Bromide, gran., bbls. lb. .31 - .35
bxs. .....lb. .34 - .38
kegs .....lb. .32 - .36
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .06¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .23 - .29
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs, dom.....lb. .21 - .23
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .15 - —
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate[2], dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —

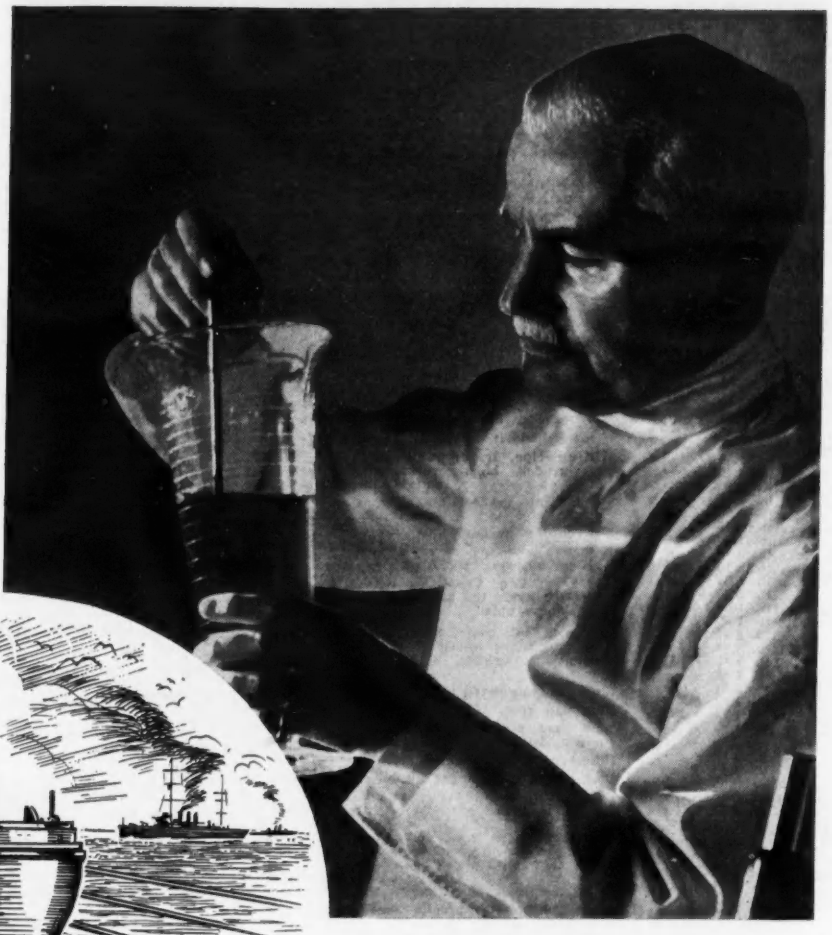
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, C.P., dms....lb. .45 - .55
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .13½
l.c.l., dlvd.....lb. .13 - .14
tanks, dlvd.....lb. .11¼- .12½
cns., works.....lb. .18 - .19
ex Pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
tanks, same basis.....lb. .12½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caporate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5-lb. bots.....lb. .63 - .65
cns..lb. .55 - .60
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol,[2] bots.....lb. 1.25 - 1.60
cans .....lb. 1.15 - 1.50
Angelica root, dom., bls.....lb. .65 - 1.75
import., natural, bls.....lb. 1.60 - 1.65
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Spanish, bgs.....lb. .36 - .37
Star .....lb. .17½- .18
Turkish, bgs.....lb. .32½- .33
Anisic aldehyde, bots.....lb. 2.75 - 2.80
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4] spot.....lb. .14 - —
Needle, brown, Bolivian, 67%, lb. .16½- .18½
Chinese, black, 70%.....lb. .19 - .22
crude, bbls.....lb. .17 - —
Oxide, bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .16½- —
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .33 - —
bbls., same basis.....lb. .31 - —
White pigments, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. .26 - —
Areca nuts, powd., bbls.....lb. .15 - .16
Arecoline hydrobromide, bots..oz 6.00 - 7.25
Argols, teat 70% to 85%, basis 100%, 100 kgm., purity, f.o.b. Spanish ports..100 kilos.110.00 - —
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls. .....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —

Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N.Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, 20 tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y. ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06¼
Ill., Ind., refinery.....gal. .06¼- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .55 - .60
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Sulphur-free, c.l., works..ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate, kgs.....lb. .60 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .10¼- —
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .15 - .17
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.65 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York...ton.31.50 - —
Southern, off color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
ore, bulk, mines.....ton. 8.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½- .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.



Ever abreast

of Science *and* Research

MANUFACTURERS OF

Bismuth Subcarbonate
Bismuth Subgallate
Bismuth Subnitrate
and other Bismuth Salts
Brucine Alkaloid
Brucine Sulfate
All Salts of Cinchona Alkaloids
Iodine Resublimed
Iodoform
Menthol-Y
Potassium Iodide
(Cryst.-Gran.-Powd.)
Quinine Sulfate
and other Quinine Salts
Strychnine Alkaloid
Strychnine Sulfate
Thymol Iodide

Day after day . . . month after month . . . year after year . . . NYQ is constantly carrying on research to assure its customers that products carrying the NYQ label will be of the highest possible quality. The manufacturing of NYQ products is kept under continual control from the time the raw materials enter our plant until they are delivered to customers as finished substances. That is why you can have complete confidence in products packed under the NYQ label.

THE NEW YORK QUININE & CHEMICAL WORKS INC.
GENERAL OFFICES
99-117 North Eleventh Street, New York, Borough of Brooklyn
ST. LOUIS DEPOT, 918 MARKET STREET, ST. LOUIS, MO

NYQ NYQ

Bentonite—Celluloid Scrap

Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .96
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms.....lb. 1.20 - 1.25
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms.....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .95 Nom.
dms.....lb. .90 Nom.
Chloride cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.50 Nom.
Formate, cns.....lb. 3.50 - 3.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.25 Nom.
Salicylate, bots.....lb. 1.80 Nom.
Benzylidineacetone, bots.....lb. 2.00 - 2.10
Berberine bisulphate, cns.....lb.17.75 -27.50
Hydrochloride, cns.....lb.17.75 -27.50
Sulphate, cns.....lb.17.75 -27.50
Berberis root, bls.....lb. .10 - .11
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs.....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars.....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots. lb. 2.86 - —
jars.....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns.....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.50 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns.....lb. 2.65 - —
Bismuth-ammonia, citrate, USF, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l.....lb. .17½ - —
3, c.l.....lb. .12 - —
l.c.l.....lb. .12½ - —
4, c.l.....lb. .11 - —
l.c.l.....lb. .11½ - —
5, c.l.....lb. .08½ - —
l.c.l.....lb. .09 - —
6, c.l.....lb. .08½ - —
l.c.l.....lb. .09 - —
7, c.l.....lb. .11½ - —
l.c.l.....lb. .12 - —
8, c.l.....lb. .12½ - —
l.c.l.....lb. .13 - —

Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd.....lb. .07½- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd.....lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5 ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y., lb. .04½- .05
B, bbls., works or N. Y..lb. .05¾- —
kegs, f.o.b. N. Y.....lb. .06 - —
dms., c.l., frt. alld.....lb. .09½ Nom.

Black dyes are listed under Dyes.

Black Haw root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .28
Blanc fixe, dry, b'y-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis.....ton.80.00 -95.00
pulp, 66⅔%, bbls., c.l., works, ton.40.00 - —
l.c.l., works.....ton.46.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 4.25 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago, unit-ton. 4.60 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 4.15 - —
soluble (see Albumen, blood).
Bloodroot, lbs.....lb. .24 - .25
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .85 - .90

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts..lb. .36 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .36 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.50 - 3.75
Milori, bbls., same basis, contracts..lb. .36 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .75 - —
regular, same basis, contracts, lb. .54 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .36 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.50 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., 1c higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —

Blue dyes are listed under Dyes.

Blue flag root, bls.....lb. .15 - .20
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4¼% ammon., 50% phos., bgs., f.o.b. Chi- -40.00
import, bgs., c.i.f. ports..ton.37.50 - —
meal, steamed, dom., 5% ammon., 50% phos., bgs., f.o.b. Chicago..ton.39.00 -40.00
import, bgs., c.i.f. ports..ton.37.50 - —
Bone, phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1⅛% ammon., 60% phos., bgs., f.o.b. Chicago..ton.44.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.42.00 - —
Boneset leaves, bls.....lb. .06½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., ouiz., c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse...ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —

USP, $15 per ton higher.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —

Bordeaux mixture prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.

Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkg., same basis..lb. .30 - .35
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .03¾- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works...lb. .12 - —
powdered.....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- .06
Italian, Amer. replacement type, bbls., f.o.b. works, lb. .08¾- .10¾
raw, American, bbls., f.o.b. works..lb. .03¼- .05¾
Italian, Amer. replacement type, bbls., f.o.b. works, bbl. .08 - .10
Brown, umber, American, bbls., works..lb. .08¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - —
St. Louis.....lb. .05½- —
ex car Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle.....lb. .05¾- —
ex whse. Los Angeles..lb. .06¼- —
Portland, San Francisco, Seattle..lb. .06 - —
Boston.....lb. .05 - —
Chicago, Indianapolis, New Orleans.....lb. .05½- —
Kansas City.....lb. .06 - —
Minneapolis.....lb. .0580- —
Pittsburgh.....lb. .05¾- —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special.....lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leavse, bls.....lb. .70 - .72
Buckthorn bark, true, bls....lb. .75 - .80
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate[3], norm., dms., c.l., frt. alld..lb. .11 - .12
l.c.l., frt. alld.....lb. .11½- .12½
tanks, frt. alld.....lb. .10 - .11
tankwagons, frt. alld....lb. .10½- .11½
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 - —
dms., l.c.l., same terms.lb. .09¼- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l.....lb. .23 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .32½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, [2,4,5] pat., shapes, cs., dlvd..lb. .95 - —
ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .85 Nom.
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l.....lb. .06½- .07½
l.c.l.....lb. .06¾- .07¾

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equald..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd., ton..20.50 -35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25

Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.

Gluconate, USP, gran., 150-lb. bbls..lb. .52 - —
dms.....lb. .57 - .59
cns.....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fib. dms. 1,000-lb. lots..lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .27 - .28
Mandelate, dense, dms.....lb. 2.05 - 2.15
fluffy, dms.....lb. 2.05 - 2.15
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex essel Atlantic or Gulf ports..ton. No prices
tech., bbls., ton lots, works, lb. .12½- .13
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. No prices
feeding grade, bgs., f.o.b. works..ton.75.00 - —
food grade, f.o.b. works, 10 bbls. and over..lb. .07 —
5 to 9 bbls., same basis. lb. .09 - —
1 to 4 bbls., same basis.. lb. .10 - —
medicinal, bbls.....lb. .11½- .12
dms.....lb. .12½- .18
Calcium phosphate, monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
5 tons and over, bgs., same basis..lb. .06 - —
Less than 5 tons, same basis. lb. .06½- —
tribasic, c.l., bbls., works. lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., ton..lb. .26 - —
smaller quantities.....lb. .27 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - —
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. 1.10 - 1.15
slabs, cs.....lb. 1.10 - 1.15
tablets, tin.....lb. 1.20 - 1.25
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots. lb. .63 - —
1,000-lb. lots.....lb. .64 - —
smaller lots.....lb. .65 - —
tablets, 2,000-lb. lots....lb. .76 - —
1,000-lb. lots.....lb. .77 - —
smaller lots.....lb. .78 - —
Monobromate, bulk, 100-lb. lots..lb. 2.40 - —
25 to 50-lb. lots.....lb. 2.50 - —
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .03¾- .04
Morocco, bgs.....lb. .0580-.0600
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 4.50 Nom.
powd., bxs.....lb. 5.50 Nom.
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. 1.05 - 1.10
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .285 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05½- —
l.c.l., same basis.....lb. .06¼- —
5-gal. dms., c.l., same basis, lb. .07½- .08
l.c.l., same basis.....lb. .08½- .09
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52¼-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52¼-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52¼-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52¼-gal. dms., c.l.gal. .83 - —
l.c.l.....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l.....gal. 1.17 - —

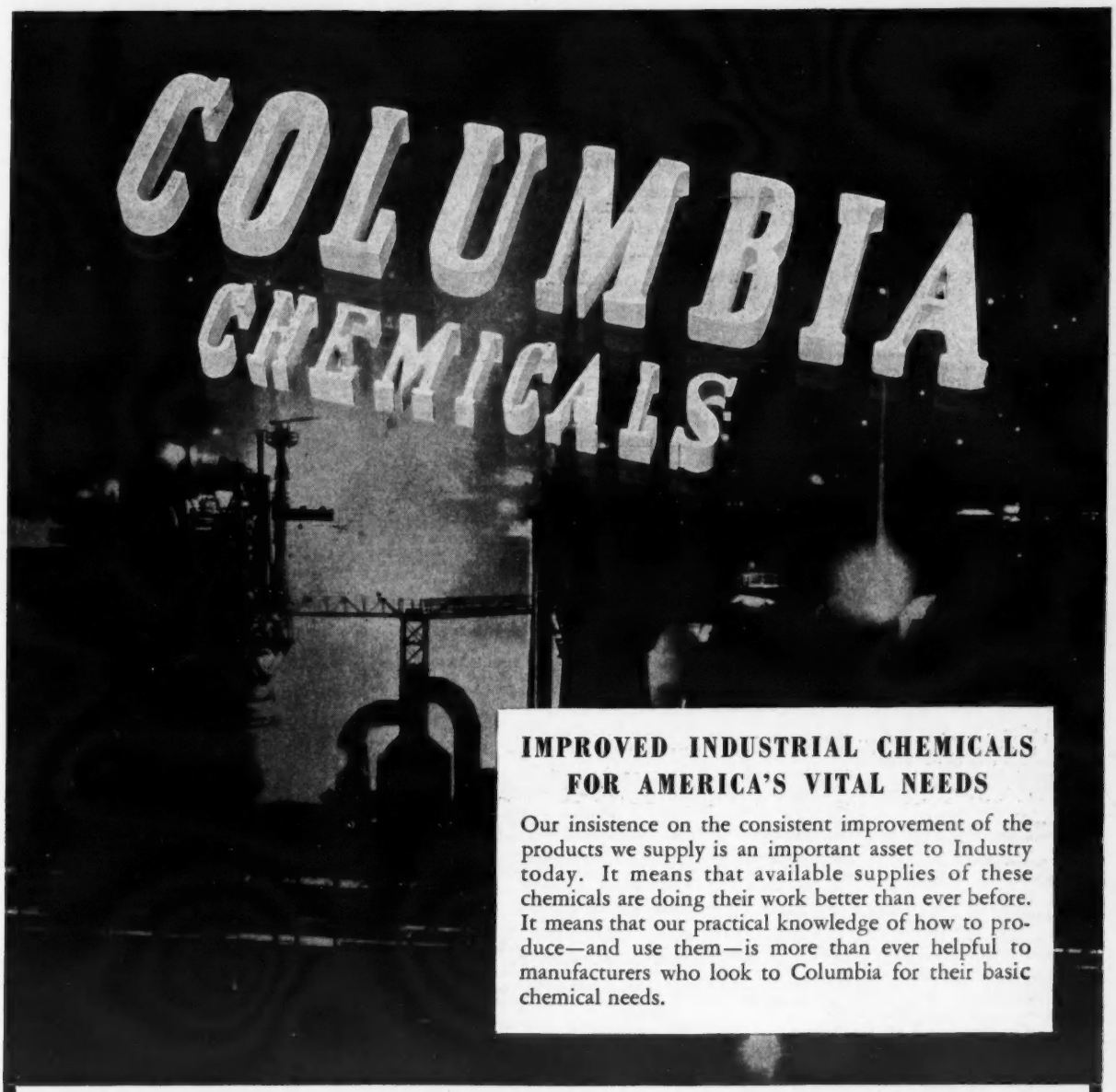
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.45 - 1.60
decorticated, cs.....lb. 1.20 - 1.80
green, Ceylon, afloat, bgs....lb. 1.05 - 1.15
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .20 - .21
Case-hardening mixture, 30% jump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .28 - .29
5 tons, works.....lb. .28¼- .29¼
smaller lots, works.....lb. .28½- .29½
80-100 mesh, c.l., dlvd.....lb. .28½- .29½
5 tons, works.....lb. .28¾- .29¾
smaller lots, works.....lb. .29 - .30
Import, Argent., 20-30 mesh, bgs., c.l., c.i.f.....lb. .20 - .21
80-100 mesh, bgs., c.l., c.i.f..lb. .20½- .21½
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .21½- .22
No. 1, regular, bls.....lb. .20½- .21
shortstick, bls.....lb. .19 - .19½
broken, bls.....lb. .18 - .18¾
China, buds, bgs.....lb. .17½- .18
Rolls, select, bls.....lb. .16½- .17
broken, extra, bls.....lb. .15½- .16
Saigon, No. 1, 4-10-4, bls....lb. .35 - .35½
10-6-2, bls.....lb. .35¼- .35¾
all thin, bls.....lb. .36 - .37
Cassia fistula, bskts.....lb. .18 - .19
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't, c.&f., N.Y..long ton.76.00 -78.00
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.50 -16.00
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .90 - .95
Indian.....lb. .55 - .56
Celluloid scrap (see Pyroxylin scrap).

Cellulose, acetate, flake, gran., frt. alld..lb. .80 - —
Acetate-butyrate, high (36.5% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
medium (15.5 or 17.0%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (31.5% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
Triacetate, flake, frt. alld....lb. .80 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., papermakers, bgs., c.l., works..ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.30.00 - —
other industries, and paints, bgs., c.l., works..ton.40.00 - —
drugs, dentifrices and cosmetics, c.l., spot..lb. .02⅞- —
Chamomile flowers, Hungarian, genuine, cs..lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia..ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .08 - 07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0265- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.00 -23.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.13
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine,[3,5] liq., cyls., c.l., divd., N.Y..lb. .05¼- —
contracts, divd., N. Y...lb. .05⅛- —
l.c.l., divd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - 2.00
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - 2.25
2, works, frt. equald., 100 lbs. 2.40 - 2.75
1, works, frt., equald., 100 lbs. 2.90 - 3.25
Chloroform, tech., 650-lb. dms.lb. .20 -
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.. .....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .22 - —
solut., 8½%, cs., bbls.....lb. .07¾- .08½
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —
Cinchonidine buyers must pay a surcharge of 6½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —
Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .25½- .26
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .98 - 1.00
Citronellal, bots., dms.....lb. 1.50 - 2.20
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .28
Zanzibar .....lb. .15¾- .15¾
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works...bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08¼- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm 8.75 - —
Cobalt acetate, bbls., kgs., divd. lb. .80¼- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8¼%, bbls.....lb 23 - —
Oleate, bbls..... .....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13¼- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., divd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .22½- .23
Cocillana bark, bgs.....lb. .22 - .23
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.36.00 - —
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls .....lb. .95 - 1.00
Colombo root, bls.....lb. .22 - .25
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .10 - .11
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., divd..lb. .24 - —
smaller containers, divd..lb. .26 - —
Carbonate, 53-54%, bbls.....lb. .18 - .20¼
Chloride, anhyd., bbls.....lb. .19¼- —
cryst. .....lb. .18½- .14½
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal, [1,2,5] electrolytic.....lb. .12 - .12½
Nitrate tech., cryst., bbls.....lb. .16 - .18½
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19¼- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .23

Cellulose—Cottonseed Meal

Copper, resinate, precip., bbls..lb. .15 - .16
sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.00 - 5.50
l.c.l., 16-90 bbls., same basis, 100 lbs. 5.15 - 5.65
6-15 bbls., same basis, 100 lbs. 5.25 - 5.75
1-5 bbls., same basis, 100 lbs. 5.50 - 6.00
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.95 - —
l.c.l., dealers.....100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .0410- —
Coriander, bgs.....lb. .11¼- .11¾
bleached, bgs.....lb. .12½- .13
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., divd..100 lbs. 4.06 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.55 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.53 - —
43°, bbls., c.l.....100 lbs. 3.67 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .14 - .15
Cottonseed, hull ash, 32-36% pot-ash, bgs., divd...unit-ton 1.00 - —
meal, 8%, Southeast, mills..ton.38.00 - —



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Our insistence on the consistent improvement of the products we supply is an important asset to Industry today. It means that available supplies of these chemicals are doing their work better than ever before. It means that our practical knowledge of how to produce—and use them—is more than ever helpful to manufacturers who look to Columbia for their basic chemical needs.

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SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • LIQUID CHLORINE
SILENE • CALCIUM CHLORIDE • SODA BRIQUETTES • MODIFIED SODAS
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PITTSBURGH PLATE GLASS COMPANY
Columbia Chemical Division
30 ROCKEFELLER PLAZA
NEW YORK, N.Y.
Chicago • Boston • St. Louis • Pittsburgh • Cincinnati • Cleveland • Minneapolis • Philadelphia • Charlotte

Coumarin—Fleaseed

Coumarin, 5 lbs. or more, 25-lb. cns.	lb.	2.75 - 3.00
5-lb. cns.	lb.	2.85 - 3.10
1-lb. cns.	lb.	3.00 - 3.25
1-oz. cns.	lb.	3.35 - 3.60
less than 5 dms., cns.	lb.	4.15 - 4.65
Cramp bark, genuine, bls.	lb.	.30 - .65
so-called, bls.	lb.	.06 - .07
Cranesbill root, bls.	lb.	.10 - .18
Cream of tartar, gran. or powd., bbls., 5,000 lbs., one shipm't.	lb.	.57½- —
smaller lots, bbls.	lb.	.58 - —
kgs.	lb.	.58½- —
Creosote, beechwood, cbys., dms.,	lb.	.80 - .85
bots.	lb.	1.00 - 1.04
hardwood, USP, bots.	lb.	.60 - .77
Pine, dms.	gal.	.28 - —
Carbonate, bots., cbys.	lb.	2.10 - 2.39
Oil, crude, tanks, works	gal.	.13½- .14½
Coaltar, solution, tanks, works.	gal.	.122 - .132
refd., bbls., l.c.l., works.	gal.	.26 - —
tanks, works	gal.	.18 - .18½
Cresol,[4] USP, dms., c.l., works.	lb.	.10¼- .10¾
l.c.l., same basis	lb.	.10¾- .11¼
special resin grade, dms c. works.	lb.	.09¼- .09¾
l.c.l., same basis	lb.	.09¾- .10¼
Crotonaldehyde, 97%, 55 and 110 gal., l.c.l., works.	lb.	.15 - —
5 and 10-gal. dms., works.	lb.	.18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River.	lb.	.06½- —
l.c.l., works	lb.	.09¼- —
natural, c.l.	100 lbs.	8.75 - —
l.c.l.	100 lbs.	9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C.	lb.	.30 - .32
4% rotenone prices are 2c. per lb. less.		
Cubeb berries, XX, bgs.	lb.	.48 - .50
powd., cs.	lb.	.53 - .54
Culver's root, bls.	lb.	.22 - .24
Cumin seed, Morocco, bgs.	lb.	.18½- .19
Cyprus, bgs.	lb.	.18½- .19
Indian, bgs.	lb.	.17½- .17¾
Persian, bgs.	lb.	.18 - .19
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid.	lb.	.04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N.	unit-ton.	No prices
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.10¾- —
lump, dms.	lb.	.09¾- —
75%, gran., dms.	lb.	.15 - —
Cyclohexane, 98-100%, dms., works.	lb.	.16 - —
Cyclohexanol, 98-100%, dms., works.	lb.	.23 - —
Cyclohexanone, 98-100%, dms., works.	lb.	.32 - —
Cyclopropane, USP, cyls., dlvd.,	gal.	.27 - —

D

Damiana leaves, bls.	lb.	.15 - .16
Dandelion root, bls.	lb.	.60 - .65
Decanol, normal, tech., 360 lbs., dms., dlvd.	lb.	.35 - —
Deertongue leaves, bls.	lb.	.12 - .14
Degras, common, dom., bbls.	lb.	.08½- .08¾
neutral, dom., bbls.	lb.	.16 - .19
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y.	lb.	.30 - .34
4% rotenone prices are 3c. per lb. less.		
Derris, extract, 30% rotenone, bulk, cns.	lb.	3.50 - 4.25
Dextrin, British gum, c.l., f.o.b. Chicago	100 lbs.	4.25 - —
l.c.l., f.o.b. Chicago	100 lbs.	4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago	100 lbs.	4.00 - —
l.c.l., f.o.b. Chicago	100 lbs.	4.80 - —
white, bgs., c.l., f.o.b. Chicago	100 lbs.	3.95 - —
l.c.l., f.o.b. Chicago	100 lbs.	4.15 - —
Potato, bgs., dom., c.l.	lb.	.09¼- —
l.c.l., bgs.	lb.	.10 - .10½
Diacetone (see under Alcohol).		
Diacetyl, bots.	lb.	9.50 -11.00
Diamyl ether, dms., c.l., works,	lb.	.085 - —
l.c.l., works	lb.	.092 - —
tanks, works	lb.	.075 - —
Phthalate, dms., c.l., dlvd.	lb.	.21 - —
l.c.l., dlvd.	lb.	.21½- —
tanks, dlvd.	lb.	.20 - —
Diamylamine, dms., c.l., works,	lb.	.47 - —
l.c.l., works	lb.	.50 - —
Diamylene, dms., c.l., works.	lb.	.095 - —
l.c.l., works	lb.	.102 - —
tanks, works	lb.	.085 - —
Diamylnaphthalene, dms., l.c.l., works.	lb.	.17 - —
Diamylphenol (2, 4), dms., c.l., works.	lb.	.17 - —
l.c.l.	lb.	.20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst.	ton.	22.00 -25.00
l.c.l., ex whse.	ton.	45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.	ton.	85.00 -89.00
l.c.l., ex whse.	ton.	85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard.	lb.	.07 - —
l.c.l., ex whse.	lb.	.10 - .16
Import, Algerian, bgs., c.l., c.i.f.	ton.	No prices
Mexican, white, bgs., c.l., c.i.f.	lb.	.02 - .03
l.c.l.	lb.	.04 - .06
Dibutylamine, dms., c.l., works,	lb.	.50 - —
l.c.l.	lb.	.53 - —
tanks, works	lb.	.49 - —
Dibutyl ether (see Ether, butyl).		
Phthalate,[2] dms., c.l., dlvd.	lb.	.19 - .20
l.c.l., dlvd.	lb.	.19½- .20½
tanks, dlvd.	lb.	.18 - .19
cns., works.	lb.	.23½- .25½
Sebacate, dms., works.	lb.	.45 - .47
Tartrate, dom., dms.	lb.	.87 - —
Dicalcium phosphate (see Calcium phosphate dibasic).		
Dichlorethyl ether, dms., c.l., works.	lb.	.15 - —
l.c.l., works	lb.	.16 - —
tanks, works	lb.	.14 - —
Dichloropentanes, dms., c.l., works.	lb.	.032 - —
l.c.l.	lb.	.04 - —
tanks	lb.	.025 - —
Diethanolamine, dms., c.l., works,	lb.	.23½- —
l.c.l., works	lb.	.24½- —
tanks, works	lb.	.23½- —
Diethylamine, dms., l.c.l., works,	lb.	.70 - —
Diethylamine ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river.	lb.	.75 - —
l.c.l., dms.	lb.	.75 - —
Diethylaniline, dms.	lb.	.40 - —
Diethylcarbonate, com'l, dms.	lb.	.25 - —
refd., 99%, dms.	lb.	.35 - —
Oxalate, dms., l.c.l., dlvd.	lb.	.28 - —
Diethyl phthalate, dms., c.l., dlvd.	lb.	.20 - —
l.c.l.	lb.	.20½- —
tanks	lb.	.19 - —
Sulphate, dms., c.l., works.	lb.	.13 - —
l.c.l., works.	lb.	.14 - —
tanks	lb.	.12 - —
Diethyleneglycol, dms., c.l., works,	lb.	.14 - —
l.c.l., works	lb.	.15½- —
Monobutylether, dms., works.	lb.	.22½- .24½
Monoethylether, dms., c.l., works.	lb.	.14½- —
l.c.l., works	lb.	.15½- —
tanks, works	lb.	.13½- —
Digitalis leaves, dms.	lb.	.40 - .43
Digiycol, laurate, c.l.	lb.	.16 - —
Oleate, light, bbls., c.l.	lb.	.17 - —
Stearate, bbls., c.l.	lb.	.22 - —
Di-isobutyl ketone, dms., works.	lb.	.19 - —
Dillseed, cleaned, bgs.	lb.	.08½- .09¾
Dimethyl phthalate, dms., c.l., dlvd.	lb.	.20 - —
l.c.l., dlvd.	lb.	.20½- —
tanks, dlvd.	lb.	.19 - —
Dimethylamine, dms., c.l., dlvd.	lb.	.85 - —
l.c.l., dlvd.	lb.	.90 - —
Dimethylanilin, dms., c.l.	lb.	.23 - —
l.c.l., dms.	lb.	.24 - —
Dinitrobenzene, bbls., 30° min.	lb.	.16 - —
Dinitrochlorobenzene, dms.	lb.	.14 - —
Dinitronaphthalene, kgs.	lb.	.35 - .38
Dinitrophenol, bbls.	lb.	.22 - —
Dinitrotoluene, dms.	lb.	.18 - —
oily, dms.	lb.	.08 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.44 - —
600-1,950 lbs., dlvd.	lb.	.46 - —
150-450 lbs., dlvd.	lb.	.47 - —
Dioxan, dms., c.l., frt. alld.	lb.	.20 - —
l.c.l., same basis	lb.	.21 - —
tanks, same basis	lb.	.19 - —
Dip oil (see Tar acid oil).		
Dipentene, dms.	gal.	.59 - .51
tanks	gal.	.51 - —
dest., dist., dms.	gal.	.55 - .58
tanks	gal.	.48 - —
Diphenyl, bbls., c.l., works.	lb.	.15 - —
l.c.l., works.	lb.	.16 - .20
Oxide, perfume grade, dms.	lb.	.43 - .45
cns.	lb.	.48 - .50
Diphenylamine, bbls.	lb.	.25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.35 - —
600-1,950 lbs., dlvd.	lb.	.36 - —
150-450 lbs., dlvd.	lb.	.37 - —
Dimethylethyl carbinol (see Carbinol).		
Divi-divi, Colombian	ton.	43.00 - —
Venezuelan	ton.	47.00 - —
Doggrass root, imp. cut, NF, bls.	lb.	.88 - 1.00
domestic, bls.	lb.	.36 - .37
Dogwood bark, Jamaica, bls.	lb.	.08 - .09
Dovers powder, USP, cns.	lb.	2.75 - 2.80
Dragon's blood, mass, cs.	lb.	.85 - .85
reeds, cs.	lb.	1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—		
Blue, FD&C blue, No. 1, cns.	lb.	13.50 - —
FD&C blue, No. 2, cns.	lb.	13.50 - —
Green FD&C green, No. 2, cns.	lb.	17.50 - —
FD&C green, No. 3, cns.	lb.	27.50 - —
FD&C green, No. 1, cns.,	lb.	13.50 - —
Orange, FD&C orange, No. 1, cns.	lb.	2.90 - —
FD&C orange, No. 2, cns.	lb.	3.65 - —
Red, FD&C red, No. 1, cns.	lb.	6.00 - —
FD&C red, No. 2, cns.	lb.	3.15 - —
FD&C red, No. 3, cns.	lb.	17.50 - —
FD&C red, No. 4, cns.	lb.	5.75 - —
FD&C red, No. 32, cns.	lb.	4.15 - —
Yellow, FD&C yellow, No. 1, cns.	lb.	8.50 - —
FD&C yellow, No. 3, cns.	lb.	2.65 - —
FD&C yellow, No. 4, cns.	lb.	2.65 - —
FD&C yellow, No. 5, cns.	lb.	3.15 - —
FD&C yellow, No. 6, cns.	lb.	3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—		
Black, D&C black, No. 1.	lb.	8.35 - —
Blue, D&C blue, No. 6.	lb.	13.50 - —
Brown D&C brown, No. 1, cns.,	lb.	12.35 - —
Green, D&C green, No. 5, cns.,	lb.	12.35 - —
D&C green, No. 6, cns.	lb.	12.35 - —
Orange, D&C orange, No. 3, cns.	lb.	8.35 - —
D&C orange, No. 4, cns.	lb.	15.35 - —
D&C orange, No. 10, cns.	lb.	15.35 - —
D&C orange, No. 11, cns.	lb.	17.35 - —
Red, D&C red, No. 7	lb.	6.00 - —
D&C red, No. 17	lb.	8.35 - —
D&C red, No. 18	lb.	18.35 - —
D&C red, No. 19, cns.	lb.	15.35 - —
D&C red, No. 22, cns.	lb.	8.35 - —
D&C red, No. 33	lb.	13.35 - —
D&C red, No. 37, cns.	lb.	12.35 - —
Yellow, D&C yellow, No. 7, cns.	lb.	8.35 - —
D&C yellow, No. 8, cns.	lb.	8.35 - —
D&C yellow, No. 11	lb.	10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—		
Blue, Ext. D&C blue, No. 1, cns.	lb.	12.35 - —
Green, Ext. D&C green, No. 1, cns.	lb.	12.35 - —
Red, Ext. D&C red, No. 1, cns.	lb.	10.35 - —
Ext. D&C red, No. 3	lb.	21.35 - —
Ext. D&C red, No. 6	lb.	7.35 - —
Ext. D&C red, No. 10, cns.	lb.	12.35 - —
Ext. D&C red, No. 13, cns.	lb.	12.35 - —
Yellow, Ext. D&C yellow No. 1, cns.	lb.	8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—		
36 Chrome yellow 2G	lb.	.65 - .70
40 Chrome yellow R	lb.	.80 - 1.00
53 Victoria violet	lb.	.80 - 1.00
165 Lake red C	lb.	.70 - .80
170 Fast red A	lb.	.56 - .60
180 Fast red VR	lb.	1.50 - 1.60
189 Lake red R, paste	lb.	.85 - .90
189 Lake red R, powd.	lb.	3.00 - 3.10
Sulphur tan	lb.	.30 - .50
202 Chrome blue black U	lb.	.32 - .40
204 Chrome black A	lb.	1.75 - 2.00
208 Fast red blue R	lb.	.75 - 2.00
216 Chrome red B	lb.	1.75 - 2.00
262 Cloth red 2B	lb.	.60 - .80
289 Fast cyanin 5R	lb.	.90 - 1.00
299 Chrome black F	lb.	.60 - .65
307 Fast cyanin black B	lb.	.80 - .65
326 Direct cast scarlet	lb.	2.00 - 2.25
304 Paper yellow	lb.	.83 - .90
365 Chrysophenin G	lb.	.58 - .70
254 Direct violet N	lb.	1.25 - 1.35
362 Direct scarlet B	lb.	1.50 - 1.75
367 Direct violet B	lb.	1.00 - 1.20
401 Developed black BHN,	lb.	.45 - .60
406 Direct blue 2B	lb.	.25 - .30
415 Direct orange R	lb.	.60 - .70
419 Direct fast red F	lb.	.75 - .85
420 Direct brown M	lb.	1.00 - 1.10
448 Benzo purpurin 4B	lb.	.54 - .56
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—		
48 Benzo purpurin 10B	lb.	.40 - .50
502 Direct azurin G	lb.	.75 - .80
512 Direct blue RD	lb.	.80 - 1.00
518 Direct pure blue 6B	lb.	1.10 - 1.25
520 Direct pure blue	lb.	.50 - 1.00
529 Direct fast black FF	lb.	.55 - 1.00
581 Direct black EW	lb.	.25 - .50
582 Direct black RX	lb.	.35 - .45
592 Direct green B	lb.	.75 - .80
594 Direct green G	lb.	1.00 - 1.05
596 Direct brown 3GO	lb.	.85 - 1.00
620 Direct yellow R	lb.	1.25 - 1.50
606 Acid violet	lb.	1.00 - 3.00
812 Primulin	lb.	.50 - .52
814 Direct fast yellow	lb.	2.00 - 2.25
845 Nigrosin (water soluble),	lb.	.35 - .50
1177 Indigo, 20 p.c. paste	lb.	.15 - .18
Benzo fast black L	lb.	.90 - 1.00
Sulphur black	lb.	.20 - .25
Sulphur blue	lb.	.40 - 1.00
Sulphur brown	lb.	.25 - .50
Sulphur maroon	lb.	.40 - —
Sulphur olive	lb.	.25 - .54
Sulphur yellow	lb.	.30 - .50
Zambesi black	lb.	.75 - .80
Black:—		
865 Nigrosin derivatives	lb.	.58 - .62
Blue:—		
1075 Alizarin astrol base	lb.	15.00 - —
1078 Alizarin cyanin green base.	lb.	5.00 - —
Brown:—		
Brown	lb.	1.15 - —
Green:—		
1078 Alizarin cyanin green.	lb.	5.00 - —
Green	lb.	.75 - —
Orange:—		
24 Sudan I	lb.	.75 - —
Red shade	lb.	.75 - —
Red:—		
75 Sudan II	lb.	1.05 - —
258 Sudan IV	lb.	.95 - —
749 Rhodamine B (oil pink),	lb.	2.50 - —
1080 Anthraquinone violet base.	lb.	6.00 - —
680 Oil violet	lb.	.50 - —
Yellow:—		
15 Amidoazobenzene yellow.	lb.	.90 - —
17 Amidoazotoluene yellow,	lb.	.75 - —
61 Yellow OB	lb.	1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—		
Black:—		
864 Nigrosin	lb.	.38 - .47
Blue:—		
860 Indulin	lb.	.60 - .70
Brown:—		
331 Bismarck brown	lb.	1.50 - —
Green:—		
637 Malachite green base.	lb.	2.00 - —
Orange:—		
20 Chrysoidin G	lb.	.95 - —
21 Chrysoidin R	lb.	.95 - —
Red:—		
677 Fuchsin, magenta base,	lb.	7.25 - —
749 Rhodamine B	lb.	4.75 - —
Yellow:—		
67 Amidoazotoluene yellow,	lb.	.75 - —
655 Auramine	lb.	2.00 - —
900 Chinolin yellow 3S	lb.	2.00 - —
Violet:—		
680 Methyl violet base	lb.	.85 - —
Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).		
Black:—		
246 Naphthol blue black S	lb.	.50 - —
873 Methylene gray	lb.	1.50 - —
Blue:—		
714 Patent blue A	lb.	1.05 - 1.10
729 Victoria blue B	lb.	1.85 - —
861 Indulin	lb.	.87 - —
909 New blue R	lb.	1.30 - —
922 Methylene blue	lb.	1.00 - —
1054 Alizarin saphirol B	lb.	1.90 - —
1180 Indigotin IA	lb.	.85 - —
Brown:—		
234 Resorcin brown Y	lb.	.65 - —
235 Resorcin dark brown R,	lb.	.66 - —
231 Bismarck brown G	lb.	.47 - .62
332 Bismarck brown R	lb.	.47 - .62
798 Phosphin	lb.	4.65 - —
Green:—		
6 Naphthol green B	lb.	1.00 - —
657 Malachite green	lb.	1.35 - —
662 Brilliant green	lb.	2.00 - —
666 Guinea green B	lb.	1.15 - —
737 Wool green S	lb.	.58 - —
924 Methylene green B	lb.	1.55 - —
1078 Alizarin cyanin green.	lb.	2.35 - —
Orange:—		
10 Chrysoidin G	lb.	.44 - —
21 Chrysoidin R	lb.	.41 - —
27 Orange G	lb.	.50 - —
151 Orange I	lb.	.30 - —
161 Orange R	lb.	.34 - —
31 Amidonaphthol red G.	lb.	.42 - —
37 Amidonaphthol red 6B,	lb.	.38 - —
79 Popceau R	lb.	.45 - —
88 Fast red B	lb.	1.05 - —
176 Fast red A	lb.	.54 - —
179 Azorubin	lb.	.60 - .62
183 Crocein scarlet 3BX	lb.	.72 - .75
185 Cochineal red A	lb.	.60 - —
252 Brilliant crosein M	lb.	.68 - —
677 Fuchsin	lb.	2.10 - —
749 Rhodamine B	lb.	3.50 - —
752 Rhodamine 6G	lb.	4.50 - —
768 Eosin G	lb.	1.50 - —
841 Safranin	lb.	1.45 - —
Violet:—		
680 Methyl violet B	lb.	.75 - —
681 Crystal violet C	lb.	1.75 - —
695 Acid violet 4BN	lb.	.68 - —
Yellow:—		
10 Naphthol yellow S	lb.	.58 - —
138 Metanil yellow	lb.	.53 - —
636 Fast light yellow	lb.	1.25 - —
639 Xylene light yellow	lb.	1.15 - —
640 Tartrazin	lb.	.80 - —
655 Auramine	lb.	1.27 - —
Dyes, natural (see name of article).		

E

Echniacea root, bls.	lb.	.18 - .19
Egg albumen (see Albumen).		
yolk, dried, dom., bbls.	lb.	.92 - .95
imported	lb.	.85 - .87
Elder flowers, bright, bls.	lb.	.85 - 1.00
Elecampane root, bls.	lb.	.14 - .15
Elm bark, grinding, bls.	lb.	.11 - .12
powd., bbls., bxs.	lb.	.19 - .20
select, bndls.	lb.	.19 - .21
Emetine hydrochloride, bots.	oz.	24.00 -28.80
Ephedra, bls.	lb.	.12 - .18
Ephedrine, USP hemihydrates, tins,	1,000 ozs.	.oz. .90 - —
100 ozs.	oz.	.70 - —
anhyd., dms., 1,000-oz. lots.	oz.	.65 - —
100-oz. lots.	oz.	.72 - —
Hydrochloride, tins, 1,000-ozs.	lots.	.oz. .45 - —
100-oz. lots.	oz.	.55 - —
Sulphate, cryst., tins, 1,000-oz.	lots.	.oz. .43 - —
100-oz. lots.	oz.	.53 - —
Epsom salt, tech., bgs.	100 lbs.	1.80 - —
bbls.	100 lbs.	1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.		
USP, cryst., dom., bgs., c.l.,	100 lbs.	2.00 - —
l.c.l., 5,000 lbs., 1 wirdrawal.	100 lbs.	2.25 - —
smaller lots.	100 lbs.	2.50 - —
bbls., c.l.	100 lbs.	2.10 - —
l.c.l., 5,000 lbs., 1 wirdrawal.	100 lbs.	2.35 - —
smaller lots.	100 lbs.	2.60 - —
kgs., c.l.	100 lbs.	2.35 - —
l.c.l., 5,000 lbs., 1 wirdrawal.	100 lbs.	2.60 - —
smaller lots.	100 lbs.	2.85 - —
dried, bgs., l.c.l.	lb.	.08 - .09
Ergot, USP, cns., dms.	lb.	1.80 - 2.00
Eserine, bots.	oz.	50.00 -72.00
Salicylate, bots.	oz.	42.00 -45.00
Sulphate, bots.	oz.	42.00 -45.00
Ether, acetic (see Ethyl acetate).		
Butyl, l.c.l., dlvd.	lb.	.26 - .28
Ethyl (see Ether, sulphuric).		
Nitrous, conc., bots., 100 lbs.,	lb.	.73 - —
Sulphuric, conc., 310-lb. dms.	lb.	.11 - —
27-lb. dms.	lb.	.16 - —
Synth., dms., c.l., work.	lb.	.10 - —
l.c.l., works.	lb.	.11 - —
tanks	lb.	.08 - —
USP, anesthesia, hospitals, 1-lb. cns.	lb.	.52 - .58
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld.	lb.	.06½- .09½
l.c.l., frt. alld.	lb.	.09 - .10
tanks, frt. alld.	lb.	.07½- .08½
95-98%, dms., c.l., frt. alld.	lb.	.08¾- .09¾
l.c.l., frt. alld.	lb.	.09½- .10½
tanks, frt. alld.	lb.	.07¾- .08¾
NF, 390-lb. dms.	lb.	.10 - —
cns., 35 lbs.	lb.	.14 - .15
Acetoacetate, dms., c.l., wks.	lb.	.29½- —
l.c.l., dms., works.	lb.	.30 - —
Benzoate, bots.	lb.	1.00 - 1.25
Bromide, tech., dms.	lb.	.50 - .55
Caproate, cns.	lb.	1.06 - —
Chloride, dms.	lb.	.18 - .20
Cinnamate, cns.	lb.	3.50 - 3.75
Formate, cns., dms.	lb.	.25 - .26
Iodide, bots.	lb.	3.50 - 3.60
Lactate, 55-gal. dms., works,	lb.	.33¼- —
5-gal. dms., works.	lb.	.37½- .39¼
Oenanthate, dms.	lb.	.75 - 1.25
Ethyl, oxalate, dms., frt. alld,	lb.	.25 - —
Oxyhydrate, bots.	gal.	4.00 - 6.00
Silicate, l.c.l., dms., wks.	lb.	.77 - —
Vanillin, 25-lb. lots, cns.	lb.	4.75 - 6.00
5-lb. lots, cns.	lb.	4.80 - 6.05
1-lb. lots, cns.	lb.	4.95 - 6.15
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld.	lb.	.45 - —
less than 5,000 lbs., same basis.	lb.	.47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0742- —
West of Rockies, same basis.	lb.	.0792- —
l.c.l., works, E. of Rockies, frt. alld.	lb.	.0795- —
West of Rockies, same basis.	lb.	.0841- —
Ethyleneglycol, dms., c.l.	lb.	.14½- —
l.c.l.	lb.	.15½- .18½
tanks	lb.	.13½- —
Monobutylether, dms., c.l., wks.	lb.	.16½- —
l.c.l., works	lb.	.17½- .20½
tanks, works	lb.	.15½- —
monoethylether, dms., c.l., works.	lb.	.14½- —
l.c.l., works	lb.	.15½- .16½
tanks, works	lb.	.13½- —
Monoethylether, acetate, dms., c.l., works.	lb.	.11½- —
l.c.l., dms.	lb.	.12½- .15½
tanks, works.	lb.	.10½- —
Monomethylether, dms., c.l., works.	lb.	.15½- —
l.c.l., works.	lb.	.16½- —
tanks, works.	lb.	.14½- —
Ethylidinanillin, dms.	lb.	.45 - .47½
Eucalyptol, cns., dms.	lb.	1.15 - 1.25
Eucalyptus leaves, bls.	lb.	.11 - .12
Eugenol, cns., dms.	lb.	2.00 - 2.10
Euphorbia, bls.	lb.	.09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00 -17.50
l.c.l., minimum 2 tons.	ton.	17.00 -20.50
glass, 20 mesh, bulk, works.	ton.	9.75 -12.25
l.c.l., minimum 2 tons.	ton.	12.75 -16.25
pottery, bulk, Me., works.	ton.	17.00 -19.00
N. C., works.	ton.	17.00 -19.00
l.c.l., minimum 2 tons.	ton.	20.00 -23.00
Fennel seed, Argentine, bgs.	lb.	.11 - .11½
Indian, bags.	lb.	.09 - .09½
French, bgs.	lb.	No stocks
German, large, bgs.	lb.	No stocks
Roumanian, bgs.	lb.	.11½- .12
Fenugreek, seed, bgs.	lb.	.06¾- .07¼
Ferric, sulphate, anhyd., c.l., works.	ton.	85.00 - —
l.c.l.	ton.	40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works.	lb.	.12 - —
smaller lots, works.	lb.	.13 - —
light, cs., 1,000 lbs. or over, works.	lb.	.13 - —
smaller lots, works.	lb.	.15 - —
water white, cs., 1,000 lbs. or over, works.	lb.	.14 - —
smaller lots, works.	lb.	.15 - —
Fir balsam, Canada, cns.	gal.	13.50 -15.00
Oregon, bbls.	gal.	1.25 - 1.35
Fish berries, bgs.	lb.	.36 - .37
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures.	unit-ton.	4.75 & .10
meal, bgs., f.o.b. Balto.	ton.	60.00 Nom.
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts.	unit-ton.	2.75 & .50
sardine, Japanese, 11¼% ammon., bgs., c.l.f. ports.	ton.	No prices
Flake white, dom., bbls.	lb.	.09 - —
kegs	lb.	.11 - —
Tetrahydroxide, bbls.	lb.	.25 - —
Fleaseed, French, black, bgs.	lb.	.55 - .60
Indian, blonde, bgs.	lb.	.11 - .12

Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines.. net ton.	32.00	—
washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines. net ton.	22.00	-23.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines.. ton. net ton.	22.00	-23.00
imported, 85.5, duty paid..... short ton.	26.00	—
Formaldehyde,[1,2,3,4] bbls., c.l., works.. lb.	.0550-	.0575
l.c.l., works..... lb.	.06 -	.0625
dms., c.l., works..... lb.	.0515-	.0540
l.c.l., works..... lb.	.0565-	.0590
tanks ..... lb.	.04 -	.04¼
Formaldehyde prices are under 4¼c. to 9¼c. OPA ceiling.		
Fringetree bark, bls..... ..... lb.	.14 -	.15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines.. ton.	15.00 -	—
import, bgs., c.l., ex dock. ton.	No prices	
l.c.l., ex whse..... ton.	No prices	
Furfural, ref., dms., c.l., works, lb.	.15 -	—
l.c.l., works..... lb.	.17½-	.20
tech., dms., contracts, 150,000 lbs.. lb.	.10 -	—
c.l., works..... lb.	.12¼-	—
l.c.l., works..... lb.	.15 -	.20
tanks, works..... lb.	.09 -	—
Fusel oil, refd., dms., incl., dlvd., lb.	.17½-	.19½
Fustic, cryst., bgs., No. 1.... lb.	.32 -	—
No. 2..lb.	.30 -	—
No. 3..lb.	.28 -	—
extract, bbls., No. 1..... lb.	.16 -	—
No. 2..lb.	.15 -	—
No. 3..lb.	.12½-	—

G

G salt, bbls..... lb.	.45 -	—
Galangal root, bls..... lb.	.11 -	.12
Gambier, common, cases..... lb.	.09½-	—
plantation, cases..... lb.	.12	Nom.
cubes, Singapore, cases.. lb.	.10½-	.11
extract, bbls..... lb.	.09½-	.12
Gasoline[3] at refinery:—		
Bayonne, US motor, tanks, ex tax.. gal.	.07½-	.08
California (f.o.b. San Francisco), regular, trucks, tax incl.. gal.	.14½-	—
Gulf Coast, US motor, 72-74 octane, tanks, ex tax.. gal.	.07½-	—
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax.. gal.	.05½-	.06½
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax.. gal.	.05½-	.06½
natural, 18-55, tanks....gal.	.05½-	—
26-70, tanks.....gal.	.04¼-	—
Gelatin, silver, cs..... lb.	.80 -	1.00
Gelsemium root, bls..... lb.	.14 -	.15
Gentian root, bls..... lb.	.70 -	.75
grd., bbls., bxs..... lb.	.72 -	.77
powd., bbls., bxs..... lb.	.74 -	.79
Geraniol, 92-96%, cns., dms... lb.	2.50 -	3.50
other grades, cns., dms..... lb.	1.50 -	1.90
soap, cns., dms..... lb.	1.10 -	1.50
Ginger, African, No. 1, bgs.... lb.	.31 -	.31½
Cochin, bgs..... lb.	.27½-	.28½
Jamaica, bold, bgs..... lb.	.42 -	.43
medium, bgs..... lb.	.40 -	.41
grinding, bright, bgs..... lb.	.39 -	.40
Ginseng root, wild Southern, cs. lb.	12.00	-13.00
Glauber's salt, anhyd. (see Soda Sulphate).		
cryst., dom., bgs., bbls., c.l., works..100 lbs.	1.05 -	1.25
5 tons or over, works, 100 lbs.	1.15 -	1.35
less than 5 tons, works, 100 lbs.	1.25 -	1.45
import, bgs.....100 lbs.	No prices	
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. East or Midwest..... lb.	.16	Nom.
l.c.l. ..... lb.	.16½	Nom.
36/58, c.l..... lb.	.15½	Nom.
l.c.l. ..... lb.	.16	Nom.
58/82, c.l..... lb.	.17	Nom.
l.c.l. ..... lb.	.17½	Nom.
82/108, c.l..... lb.	.17½	Nom.
l.c.l. ..... lb.	.18	Nom.
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd. East or Midwest..lb.	.19	Nom.
l.c.l. ..... lb.	.19½	Nom.
60/164, c.l..... lb.	.19½	Nom.
l.c.l. ..... lb.	.21	Nom.
67/122, c.l..... lb.	.21½	Nom.
l.c.l. ..... lb.	.22	Nom.
75/222, c.l..... lb.	.24½	Nom.
l.c.l. ..... lb.	.25½	Nom.
68/251, c.l..... lb.	.24½	Nom.
l.c.l. ..... lb.	.26½	Nom.
92/283, c.l..... lb.	.26½	Nom.
l.c.l. ..... lb.	.27½	Nom.
102/315, c.l..... lb.	.27½	Nom.
l.c.l. ..... lb.	.28	Nom.
113/347, c.l..... lb.	.28	Nom.
l.c.l. ..... lb.	.29	Nom.
125/379, c.l..... lb.	.29	Nom.
l.c.l. ..... lb.	.30	Nom.
Glue prices for barrel packing are ½c. per lb. higher; grinding charges, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.		
Glycerin, CP, cns., l.c.l..... lb.	.21½-	.22
dms., c.l., dlvd..... lb.	.19¼-	—
l.c.l., dlvd..... lb.	.20 -	.25
tanks, dlvd..... lb.	.19¼-	—
dynamite, dms..... lb.	Nominal	
high gravity, dms., c.l., dlvd. lb.	.19½-	—
l.c.l., dlvd..... lb.	.20 -	—
tanks, dlvd..... lb.	.19¼-	—
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb.	.20½	Nom.
l.c.l., same basis..lb.	.21½	Nom.
tanks ..... lb.	.20	Nom.
refiners, dms., returnable, tanks, dlvd..lb.	.19	Nom.
soapIye, basis 80%, dms., returnable, tanks, dlvd..lb.	.16 -	.18
Glycine, medicinal, bbls., tins. lb.	1.70 -	2.00
Glycol boriborate, dms..... lb.	.22 -	—
Phthalate, dms..... lb.	.38 -	—
Stearate, dms..... lb.	.26 -	—
Gold, U.S. purchase price.... oz.	35.00 -	—
Chloride, acid brown, both.. oz.	20.75	-21.00
yellow, bots..... oz.	18.75	-19.00
Gold-soda chloride, photo., bots., oz.	13.00 -	—
USP IX, bots..... oz.	14.50	-14.75
Gold of pleasure, seed, bgs.... lb.	.20 -	.21
Goldenseal, root, bls..... lb.	3.50 -	3.60
powd., bxs..... lb.	3.75 -	3.85
Grains of paradise, bgs..... lb.	.38 -	.40
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works.. lb.	.07 -	—
bbls., c.l., works..... lb.	.07¼-	—
l.c.l., works..... lb.	.07½-	—
Graphite, amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb.	.02½-	—
l.c.l., works..... lb.	.03¼-	—
bbls., c.l., works..... lb.	.02¾-	—
80% graphite, carbon, bgs., c.l., works..lb.	.03½-	—
bbls., c.l., works..... lb.	.03¾-	—
l.c.l., works..... lb.	.04¼-	—
Grease, house..... lb.	.08½-	—
white ..... lb.	.09 -	—
yellow ..... lb.	.08¼-	—
Wool (see Adeps lanae and Degras).		
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb.	.23 -	—
6-10%, bbls., same basis.lb.	.24 -	—
11-15%, bbls., same basis.lb.	.25 -	—
16-20%, bbls., same basis.lb.	.25½-	—
21-25%, bbls., same basis.lb.	.26 -	—
26-30%, bbls., same basis.lb.	.26½-	—
31-35%, bbls., same basis.lb.	.27½-	—
36-40%, bbls., same basis.lb.	.29 -	—
41-45%, bbls., same basis.lb.	.30½-	—
46-50%, bbls., same basis.lb.	.32 -	—
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Green, chrome, reduced, CP, color content up to 5%, same basis..lb.	.08½-	—
9-10%, bbls., same basis.lb.	.07¼-	—
11-13%, bbls., same basis.lb.	.07¾-	—
14-16%, bbls., same basis.lb.	.08 -	—
17-19%, bbls., same basis.lb.	.08¼-	—
20-21%, bbls., same basis.lb.	.08½-	—
22-23%, bbls., same basis.lb.	.08¾-	—
24-25%, bbls., same basis.lb.	.09 -	—
26-27%, bbls., same basis.lb.	.09¼-	—
28-29%, bbls., same basis.lb.	.09¾-	—
30-31%, bbls., same basis.lb.	.10½-	—
32-33%, bbls., same basis. lb.	.11¾-	—
34-35%, bbls., same basis.lb.	.12¾-	—
36-40%, bbls., same basis.lb.	.14¾-	—
41-45%, bbls., same basis.lb.	.16¾-	—
46-50%, bbls., same basis. lb.	.17½-	—
51-55%, bbls., same basis.lb.	.17¾-	—
56-60%, bbls., same basis.lb.	.18½-	—
61-65%, bbls., same basis.lb.	.18¾-	—
66-70%, bbls., same basis.lb.	.19¾-	—
71-75%, bbls., same basis. lb.	.20¾-	—
Oxide, dom., pure, bbls..... lb.	.35 -	—
ceramic, light shades, bbls., c.l., works..lb.	.35 -	—
l.c.l. works.....lb.	.50 -	—
standard grade, bbls., works..lb.	.21 -	.23
Paris (see P).		
Tunstated, brilliant, kgs..... lb.	3.75 -	—
emerald, kgs..... lb.	2.60 -	—
Verdigris (see V).		
Green dyes are listed under Dyes.		
Grindelia robusta, bls..... lb.	.09 -	.10
Guaiac resin, cs..... lb.	.30 -	.35
strained, cs..... lb.	.85 -	.90
Wood, bls..... lb.	.04 -	.05

Fluorspar—Gum, Copal

Guaiacol, liq., dms..... lb.	1.75 -	2.01
Carbonate, fib. dms., 25 lbs..lb.	2.40 -	2.74
Gum, guarana, powd., cs..... lb.	1.20 -	1.35
Aloe (see A).		
Ammoniac, tears, cs..... lb.	.80 -	.85
Arabic, amber sort, cleaned, bgs.. lb.	.23 -	.24
white, sorts, 1, bgs..... lb.	.33 -	.35
powd., bbls..... lb.	.28 -	.30
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Siam, cs..... lb.	2.50 -	2.60
Sumatra, cs..... lb.	.24 -	.25
Camphor (see C).		
Chicle, prime, 33% moisture, bgs., ton lots.. lb.	.40 -	.42
Copal, Congo, 1, water white transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco.. lb.	.49½-	—
Gum, copal, dammar, elemi, kauri, mastic, sanderac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.		
2, water white, bgs., c.l., same basis..lb.	.29½-	—
3, selected pale straw bold, bgs., c.l., same basis..lb.	.24½-	—
4, pale bold straw, bgs., c.l., same basis..lb.	.24 -	—
5, pale straw bold, bgs., c.l., same basis..lb.	.22½-	—
6, pale amber bold, bgs., c.l., same basis..lb.	.21½-	—

HARSHAW METALLIC SOAPS

FOR THE PAINT VARNISH, LACQUER AND ALLIED INDUSTRIES

DRIERS: Uversols (naphthenates), linoleates, oleates, resinates, pastes and salts of cobalt, lead, manganese and zinc.

FLATTING AGENTS: Stearates and laurates of aluminum, calcium, magnesium and zinc.

SUSPENSION AGENTS: Stearates, laurates and calcium lineoleate pulp.

WETTING AGENTS: Uversol zincs and lead soaps in general.

BODYING AGENTS: Uversol aluminum, various stearates and laurates.

ANTI-FOULING AND MILDEW PREVENTION: Uversol copper, copper linoleates, copper oleates, copper resinates and Uversol zincs.

WATER REPELLENT INGREDIENTS: Laurates of aluminum and zinc.

ANTI-CHALKING AGENTS: Uversol chromium.

ANTI-WRINKLING AGENTS: Uversol copper liquid 6% and Uversol Zinc liquid 10%.

THE HARSHAW CHEMICAL CO.

CLEVELAND, OHIO AND PRINCIPAL CITIES

Gum, Copal—Lime

Gum, copal, Congo, 7, pale straw bold, bgs., c.l., same basis. lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .18½- —
10, rescraped hard amber bold, bgs., c.l., same basis. lb. .18½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09½ —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23½- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¼- —
25, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .09¾- —
Bats, bold scraped, bgs....lb. .11¼- —
unscraped, bgs.....lb. .10¼- —
chips, bgs.....lb. .07¼- —
dust, bgs.....lb. .07 - —
nubs and chips, bgs.....lb. .07¼- —
black, bold, scraped, bgs..lb. .12½- —
unscraped, bgs.....lb. .08 - —
nubs and chips, bgs.....lb. .07¾- —
Hiroe, Macassar, pale bold, bgs..lb. .15¾- —
chips, bgs.....lb. .10¼- —
dust bgs.....lb. .07 - —
nubs, bgs.....lb. .12¾- —
Singapore, Rasak, bold, bgs., lb. .22¾- —
chips, bgs.....lb. .12¾- —
dust, bgs.....lb. .07 - —
nubs, bgs.....lb. .17¾- —
Manila, Bocaa, amber and dark, bskts.....lb. .14 - —
light, bskts.....lb. .15¾- —
Loba A, bskts.....lb. .14½- —
B, bskts.....lb. .14¼- —
C, bskts.....lb. .13¾- —
CNE, bskts.....lb. .10½- —
D, bskts.....lb. .13¼- —
DK, bskts.....lb. .10 - —
dust, bskts.....lb. .07¾- —
Sambas and white split chips, bskts..lb. .15¾- —
Singapore, dust, bskts.....lb. .07¾- —
Spirit-soluble, CBB, bskts., lb. .13½- —
DBB, bskts.....lb. .12¼- —
MA, bskts.....lb. .10¼- —
MB, bskts.....lb. .09¾- —
WS, bskts.....lb. .12¾- —
Philippine, Manila, amber sorts, bskts..lb. .10¾- —
chips, pale, bskts.....lb. .13½- —
pale, small, bskts.....lb. .11¾- —
extra pale, sorts, bskts...lb. .13¼- —
nubs, bskts.....lb. .14¼- —
scraped, bskts.....lb. .15½- —
seeds and dust, bskts....lb. .09¾- —
Pontianak, bold, genuine, bgs., lb. .22¾- —
mixed, bgs.....lb. .17¾- —
split, bgs.....lb. .19¾- —
chips, bgs.....lb. .12¾- —
nubs, bgs.....lb. .18¾- —
Dammar, Batavia, A, cs., same basis as copal..lb. .33¾- —
A/C, cs.....lb. .29¼- —
A/D, cs.....lb. .26¾- —
A/E, cs.....lb. .23¾- —
B, cs.....lb. .32½- —
C, cs.....lb. .20¾- —
D, cs.....lb. .23¾- —
dust, cs.....lb. .12¾- —
E, cs.....lb. .16¾- —
F, cs.....lb. .13 - —
Singapore, 1, cs.....lb. .28¾- —
2, cs.....lb. .23½- —
3, cs.....lb. .12¾- —
chips, cs.....lb. .21½- —
dust, cs.....lb. .12¾- —
seeds, cs.....lb. .15¾- —
Elemi, cns, same basis as copal..lb. .08¾- —
Ester, ordinary, c.l., dms., contract, dlvd. New Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .08¼- .09½
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .09 - .10
Pacific Coast (water shipt.)..lb. .08½- .10
Other points.....lb. .08¾- .10½

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.i..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .15½- —
pale, XXX, cs., same basis.lb. .61 - —
¼, cs., c.l., same basis....lb. .41 - —
½, cs., c.l., same basis....lb. .24 - —
¾, cs., c.l., same basis ...lb .17¾- —
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. 1.10 - 1.15
Mastic, cs.....lb. 2.65 - 2.70
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
Gum, olibanum, tears, cs.....lb. .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .90 - .95
Shellac (see S).
Talha, bgs.....lb. .08 - .09
Tolu, bbls.....280 lbs.16.50 - —
Tragacanth, Aleppo, 1 cs....lb. 3.25 - 3.40
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 1.10 - 1.20
Yacca, bgs.....lb. .06½- .07¾
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N.Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
Terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N. Y..ton.13.00 - —
import, bgs., ex dock....ton. No prices

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
No. 4..lb. .26 - —
No. 5..lb. .24 - —
paste, bxs, No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .09 - .09½
Henbane leaves, bbls.....lb. 5.40 Nom.
Henna leaves, bls.....lb. .27 - .28
powd., bbls., bxs.....lb. .30 - .31
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol)
Hexamethylenetetramine,[4,5,6] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .38 - —
USP. dms., 500 lbs. or more, shipments, same basis...lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3.. gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.95 - 3.00
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydroturamide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .18¼
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 5.25 Nom.
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots.....oz.21.25 -27.50
Hydrobromide, bots.....oz.21.25 -27.50
Sulphate, bots.....oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1...lb. .42 - —
No. 2...lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2...lb. .19 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.30
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.35.00 Nom.
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island...lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.65 - 1.70
powd., bxs.....lb. 1.70 - 1.75
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .36
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hyposulphite, bbls., dms.....lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works...lb.0660 - —
tanks, works.....lb.0760 - —
Propionate, dms., works...lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb .25 - —
Isopropylamine, dms., works..lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld. lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. 08½- —
l.c.l., E. of Rockies, frt. alld..lb. .09 - —
tanks, E. of Rockies, frt. alld..lb. .07½- —
Alconol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .37 - .48
powd., bbls., bxs.....lb. .42 - .53
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .70 - .90

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerusene[3] at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0530- —
California (f.o.b. San Francisco), truck..gal. .11¼- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04½- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04⅜- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .05½- .06
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs.10.35 -10.50
Middlewestern, trcs....100 lbs.10.10 -10.25
Neutral, trcs.....100 lbs.12.00 -12.25
Western, choice, trcs..100 lbs.10.20 -10.30
Compound, trcs.....100 lbs.15.50 -15.75
Larkspur seed, bgs.....lb. 4.00 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .58 - .59
Portuguese, bls.....lb. .22 - .23
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .83 - .85
select, bls.....lb. .95 - 1.00
Lead,[3] metal (see paint market).
Acetate, white, broken, bbls., lb. 12 - .12¼
cryst., bbls.....lb. 12 - .12¼
gran., bbls.....lb. .12¾- .13¼
powd., bbls.....lb. 12¾ - .13¼
Lead, arsenate, bgs., c.l.....lb. .09 - .11
l.c.l., bgs.....lb. .09½- .11½
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¾- —
l.c.l., dlvd. E.....lb. .07 - —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
l.c.l., dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N.M., Ore., Utah, Wash., Wyo..lb. .07½- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0835- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08¾- —
smaller lots, Ala., etc. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, dlvd. Ala..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09¼- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc. lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. .0659- —
smaller lots.....lb. .0701- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l., (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc.....lb. .07 - —
other points.....lb. .06¾- —
l.c.l., dlvd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers .....lb. .11¼- —
painters .....lb. .12¾- —

Consumers' prices and painters' prices are ½c lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b. N. Y. nr Chi..lb 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis. lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .28 Nom.
powd., bbls., bxs.....lb. .33 Nom.
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.,
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.13.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
tins., same basis.....lb. .11 - —
Lime-sulphur, dry, dealers, bgs., less than 400 lbs., same basis..lb. .08¼- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4 ,tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3. Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 3.00 - 3.50
90%, cns.....lb. 4.00 - 4.50
92%, cns.....lb. 5.50 - 6.20
Linseed, meal, bgs.....ton.32.00 - —
without leaves, bls.....lb. .05 Nom.
Linseed, meal, bgs.....ton.32.50 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
dlvd., other points.....lb. .0735- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, dlvd., Ala.lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Lithium, chloride, 25-lb. jars..lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Lithium fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .08½- —
smaller lots.....lb. .08½- —
bbls., c.l. (20 tons).....lb. .08½- —
smaller lots.....lb. .08¾- —
Ordinary, bgs., c.l. (20 tons).lb. .0285- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0485- —
Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ¼c. higher ex whse. Pac. Cst.
Liverwort, leaves, bls.....lb. .55 - .60
Lobelia, herb, bls.....lb. .35 - .37
Seed, bgs.....lb. .40 - .45
Logwood, cryst., bgs., No. 1..lb. .28 - —
No. 2..lb. .26 - —
extract, bbls., No. 1.....lb. .14 - —
No. 2..lb. .13 - —
No. 3..lb. .12½- —
No. 4..lb. .10 - —
solid, bxs., No. 1.....lb. .23½- —
No. 2..lb. .21½- —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 7.50 - 8.00

M

Mace, Banda, cs.....lb. .45 - .46
Batavia, cs.....lb. .29 - .30
Siauw, cs.....lb. .35 - .36
West Indian, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .78 - .80
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Other points.....lb. .08 - —

Lime—Manganese Resinate

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .15 Nom.
Stearate, bbls., ctns., 1 ton..lb. .31 - —
smaller lots.....lb. .33 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs...ton.72.00 -80.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk., c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 Nom.
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .25 - .26
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works...ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works...ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —

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TARTARIC ACID • CITRIC ACID • CREAM OF TARTAR

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Manganese Sulph.—Oil, Linaloe

Manganese, sulphate, anhyd., ton lots, works..lb. .10½- —
single, bbls., works.....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 Nom.
Tunisan, bls.....lb. .32 - .33
Chilean .....lb. .15 - .15½
Menthol, natural, Chinese, cs..lb. 7.00 - 7.25
Japanese, cs.....lb. 7.00 - 7.25
synthetic, USP, cs.....lb. No prices
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots...lb. 4.66 - 4.71
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.76 - 4.81
fib. dms., 100 lbs.....lb. 4.70 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in.....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol, natural, [1,6,6] producer group A, all grades, E. of Miss. R., tanks..gal. .60 - —
dms., c.l.....gal. .66 - —
l.c.l. .....gal. .76 - —
Methanol prices W. of Miss. R. are 3c. per gal higher.
group B, pure, tanks, frt. alld., Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —
Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.
Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.
Methanol, synthetic, [2,5,6] pure, dms., c.l., Zone 1, frt. alld..gal. .34½- —
c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld.....gal. .36½- —
3, frt. alld.....gal. .38½- —
4, frt. alld.....gal. .40½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld. or dlvd..gal. .44½- —
3, dlvd., S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd..gal. .52½- —
tanks, Zone 1, frt. alld..gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R.....lb. .11½- .13
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - .12½
W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - .09
W. of Miss. R.....lb. .08 - .10
l.c.l., dlvd. E. of Miss. R..lb. .07½- .09½
W. of Miss. R.....lb. .08½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .75 - —
dms., c.l., same basis.....gal. .81 - —
l.c.l., same basis...gal. .86 - —
Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .60 - —
Zone 2.....gal. .62 - —
Zone 3.....gal. .64 - —
Zone 4.....gal. .64½- —
dms., c.l., Zone 1.....gal. .65½- —
Zone 2.....gal. .67½- —
Zone 3.....gal. .69½- —
Zone 4.....gal. .71½- —
l.c.l., Zone 1.....gal. .68½- —
Zone 2.....gal. .85½- —
Zone 3.....gal. .72½- —
Zone 4.....gal. .85½- —
Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.
Methyl acetone, synthetic tanks, Zone 1—gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .51 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59 - —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee...ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1, quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l...ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l..lb. .04½- —
l.c.l. .....lb. .05 - —
paper, wall or coated, c.l..lb. .04⅝- —
l.c.l. .....lb. .04⅞- —
rubber, c.l.....lb. .04 - —
l.c.l. .....lb. .04½- —
Mica, biotite, c.l.....lb. .03½- —
l.c.l. .....lb. .04 - —
Mica, dry grd., is quoted in bags at the works; wet grd. mica in carload lots is frt. alld. E., and in less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher west of Rockies.
Milk, powder, skimmed, roller, bbls., c.l..lb. .13½- —
l.c.l. .....lb. .14½- —
spray, bbls., c.l.....lb. .13½- —
l.c.l. .....lb. .14½- —
unskimmed, roller, bbls., c.l., lb. .27¼- —
l.c.l. .....lb. .27¾- .28
spray, bbls., c.l.....lb. .27¼- —
l.c.l. .....lb. .27¾- .28
Millet seed, yellow, bgs.....lb. .02½- .02⅝
early fortune, bgs.....lb. .0230- .0250
hulled, bgs.....lb. .06½- .06⅝
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap tanks, f.o.b. No. Atlantic ports..gal. .12½- .13½
f.o.b. Gulf ports.....gal. .12 - .13

Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.50 - 1.55
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown. lb. .16 - .16½
yellow, bgs.....lb. .12½- .13
Chinese, yellow, bgs.....lb. .07½- .08
Danish, yellow.....lb. .27 - .28
Montana, yellow, bgs.....lb. .07¼- .07¾
Roumanian, yellow.....lb. .14¼- .15
Washington yellow, bgs.....lb. .08¼- .08¾
Myrobalans, J1, bgs., f.a.s.....ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls.....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[6] crude, dom., 74 deg., tanks, works...100 lbs. 2.50 - —
78 deg., tanks, works..100 lbs. 2.75 - —
Refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
pkgs. (16 oz.), same basis..lb. .08⅜- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .85½- —
Niger seed, bgs.....lb. .15 - .16
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛, and 40 sec. vis., bbls., wks., lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .30 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertiliser material, dom., 10% ammon., bulk, f. o. b. Carrollville, Wis., dlvd..unit-ton. 2.25 Nom.
f.o.b. Chemical, Ill..unit-ton. 2.25 Nom.
f.o.b. East Coast producing points..unit-ton. 2.75 - 3.00
import, bgs., c. i. f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., os....lb. No prices
Chinese .....lb. .30 Nom.
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18 - .16½
110s, bgs., cs.....lb. .17 - .17½
small, grinding, bgs.....lb. .15 - .15½
West Indian, bgs.....lb. .14 - .14¼
Nux Vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks .....lb. .03 - —
Ocher (see Yellow).
Octane, 100-140° C., industrial grade, dms., c.l., G. S., gal. .25 - —
l.c.l., G.S.....gal. .27 - —
10 gals., G.S.....gal. .35 - —
tanks, G.S.....gal. .19½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots.....lb. 3.50 - 3.75
sweet, true, exp., cns.....lb. 2.00 - 2.50
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.75 - —
Angelica, root, bots.....lb. No stocks
seed, bots.....lb. 110.00- 120.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .95 - 1.00
Apricot, kernels, cns.....lb. .40 - .42
Avocado, cns., dms.....lb. 1.00 - 1.25
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-60% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb.20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .90 - —
rect'fd., cns.....lb. 1.50 - —
Bois de Rose, Brazil, cns....lb. 3.65 - 3.75
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. 1.15 - 1.20
USP IX, cns.....lb. 1.25 - 1.30
USP X, cns.....lb. 1.40 - 1.45
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .28 - .30
dms. .....lb. .27 - .29
white, cns.....lb. .32 - .33
dms. .....lb. .30 - .31
Cananga, native, cns.....lb.11.50 -12.00
rectified, cns.....lb.12.50 -13.00
Capsicum (oleoresin), USP VIII, cns...lb. 3.85 - 5.50
Caraway, USP, cns.....lb.12.00 -12.50
Cardamom, bots.....lb.25.50 -35.00
Cassia, SP, cns.....lb. 7.00 - 7.25
Castor, blown, one-way dms., c.l..lb. .14 - —
l.c.l. .....lb. .14¼- —
cold pressed, USP., bbls., c.l., lb. .12¾- —
l.c.l. .....lb. .13¼- —
cns. (1-gal.), l.c.l.....lb. .16½- —
cns. (5-gal.), l.c.l.....lb. .14¼- —
dms. (returnable), c.l...lb. .12½- —
l.c.l. .....lb. .13¼- —
tanks .....lb. .11¾- —
dehydrated, dms., c.l.....lb. .1690- —
l.c.l. .....lb. .1730- —
tanks .....lb. .16 - —
extracted No. 3, tech., bbls., c.l..lb. .12¼- —
l.c.l. .....lb. .13 - —
dms. (returnable), c.l.....lb. .12¼- —
l.c.l. .....lb. .13 - —
tanks .....lb. .11½- —
sulphonated, 50% (43% fat), dms., c.l..lb. .08¼- —
l.c.l. .....lb. .09¼- —
75% (63% fat), dms., c.l..lb. .11 - —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —
Cedarleaf, cs.....lb. 1.03 - 1.38
dms. .....lb. 1.00 - 1.35
Cedarwood, Southern, cns....lb. .32 - .33
dms. .....lb. .30 - .31
Celery, bots.....lb.30.00 -35.00
Chaulmougra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .36 - —
tanks .....lb. .34½- —
Cinnamon, bark, bots.....lb. 9.75 -32.00
leaf, dms.....lb. 1.00 - 1.20
Citronella, Ceylon, cns.....lb. 1.00 - 1.05
dms. .....lb. .95 - 1.00
Java, cns., dms.....lb. .75 - .80
Clove, makers, USP, cns....lb. 1.35 - 1.40
dms. .....lb. 1.30 - .135
Coconut, Manila, crude, tanks, lb. .07½- —
edible, 76°, ret. dms., l.c.l..lb. .13¾- .14¼
Cod, Newf., dms.....gal. .78 - .80
Codliver, med., U.S.P.....bbl.85.00 -90.00
Coriander, bots.....lb.26.00 -30.00
Corn, crude, tanks, works....lb. .12¼ Nom.
refd., bbls.....lb. .15½ Nom.
Cottonseed, cooking, bbls....lb. .16 - —
salad, bbls.....lb. .16¼- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.40 - 3.00
Cubeb, USP, cns.....lb. 8.50 - 8.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -12.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dill seed, bots.....lb. 6.50 - 6.75
weed, bots.....lb. 5.75 - 6.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.35
Eucalyptus, cns.....lb. .68 - .73
dms. .....lb. .65 - .70
Fennel, sweet, cns.....lb. 2.50 - 2.75
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb.16.00 -17.00
Bourbon, cns.....lb.16.00 -17.00
Turkish (see Palmarosa)
Grapefruit, cns.....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .30
Ginger, dist., bots.....lb.14.00 -20.00
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Halibut liver, ref., dms....gal.38.50 - —
Hemlock, cns.....lb. .90 - 1.15
Juniper, berry, cns.....lb.15.00 - —
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .72 - .95
Lard, common, 1, bbls.....lb. .13 - —
2, bbls.....lb. .12¾- —
extra, bbls.....lb. .13¾- —
1, bbls.....lb. .13¼- —
Winter, strained, bbls....lb. .14 - —
prime, burning, bbls.....lb. .14½- —
prime, ined., bbls.....lb. .14¼- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. No stocks
Lavender flower, French, 50% ester, cns..lb. No prices
38-42% ester, cns.....lb.10.00 -10.25
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. No prices
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 2.70 - 3.00
dms. .....lb. 2.60 - 2.90
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 2.00 - 2.25
Lime, dist., cns.....lb. 6.00 - 8.25
expressed, cns.....lb.12.50 Nom.
Terpeneless .....lb.46.50 -78.00
Linaloe, wood, cns.....lb. 3.50 - 3.75

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U.S.I. ALCOHOL NEWS

October ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1941

ALCOHOL IMPROVES FACIAL MASKS

Used in Manufacture of Both Clay Packs and Liquid Types

Alcohol plays an important part in the successful formulation of facial masks — both the mud packs frequently employed in beauty parlors, and the liquid types which are extremely popular for home use.

A typical mask of the mud type, for example, is described as being prepared by mixing bentonite with witch hazel or other aromatic waters. This preparation largely contains alcohol.

In the case of the liquid masks, acacia gum is suggested as a satisfactory ingredient. Acacia gum mucilages, however, have a tendency to coalesce, resulting in uneven application. This difficulty can be overcome by the addition of alcohol. In addition, the presence of the alcohol, besides conferring part of the astringent properties essential in face masks, has the advantage of promoting rapid drying of the product. By varying the concentration of the alcohol, the manufacturer is enabled to obtain the desired drying time.

Alcohol is essential in the preparation of the aromatic waters used in many mud packs, and is employed also to improve the properties of the popular liquid type of mask.

ALCOHOL USED TO ADVANTAGE IN MASCARA PREPARATIONS

The properties of alcohol can be used to advantage in the manufacture of mascara, particularly of the cream types formulated with such materials as tragacanth. One suggested formula for a cream mascara has the following proportions:

Gelatin	3.5
Tragacanth	2.5
Alcohol	10.0
Pigment	2.5
Preservative	0.1
Water	82.4

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

A new extractor is said to be suitable for removing semi-solids and heavy liquids from bulk drums or containers. Suggested applications include heavy oils, cosmetic creams, soap, and salves. **(No. 500a)**

A drying cabinet is reported to be useful for the drying of pharmaceutical chemicals. Unit is electrically heated, holds ten trays, each measuring 15 x 22½ x 2½ inches. Thermostatic control allows temperature range from 100 to 300° F. **(No. 501a)**

Two new emulsifiers for cosmetic preparations have been announced. According to the maker, they are useful for producing water-in-oil type bases, creams, and lotions, and give very high water absorption when used as emulsifiers for petrolatum. One of them can also be used as an assistant emulsifier for oil-in-water type creams. **(No. 502a)**

A filtering unit that shifts from a horizontal loading to a vertical operating position is said to prevent collapse of the filtering layers. Filter can be drained dry by compressed air, allowing complete recovery of the residual filtrate. **(No. 503a)**

A dry ointment is described as suitable for treating industrial dermatitis when the workman must remain on the job. It is said that the ointment was extensively tested under widely varying conditions before being placed on the market. An oily ointment, for use where the infected area is to be covered with bandages, is also available. **(No. 504a)**

A new perfume material is said to have the novel property of simulating the odor of new-mown hay. It can be used also, according to the maker, for modifying the character of lilac perfumes, and is suitable for use in all toilet preparations, particularly soaps. **(No. 505a)**

NEW ADHESIVE TAPE EASY TO STERILIZE FOR MEDICAL USE

Adhesive tape that can be subjected to the steam treatment necessary to sterilize it for surgical use can now be made with the aid of a new cellulose ether coating, which will not decompose or become stiff during the sterilizing process.

Conventional types of adhesive tapes, it is pointed out by an inventor who has received a patent on the new coating, have not been satisfactory when subjected to sterilizing conditions. The new coating, however, permits the preparation of an easily cleanable and sterilizable tape.

A typical coating can be made by mixing 29.6 parts by weight of an ethyl cellulose solution with 70.4 parts of a mill base, prepared as follows:

Ethyl Cellulose Solution

	Parts by weight
Ethyl cellulose	14.8
Toluol	34.1
Ethyl acetate, 99%	42.6
Ethyl alcohol, 190 proof	8.5

Mill Base

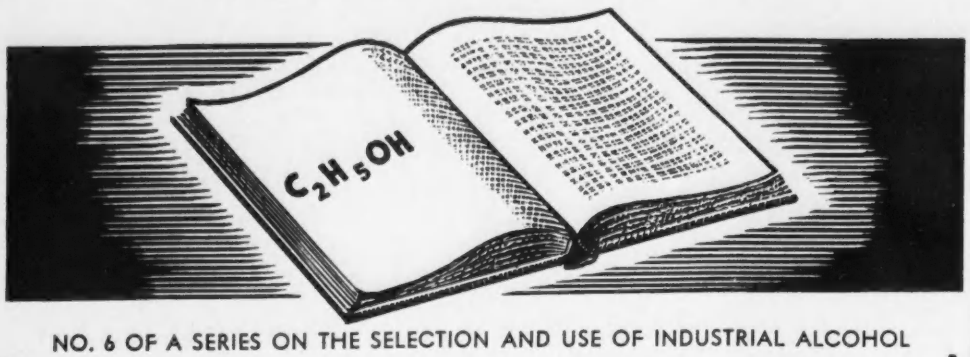
	Parts by weight
Titanium dioxide	50.00
Synthetic resin solution	20.85
Toluol	7.77
Ethyl acetate, 99%	9.72
Ethyl alcohol, 190 proof	1.94
Ethyl cellulose solution	9.72

This coating is applied to one side of the tape, and a pressure-sensitive rubber adhesive mass is applied to the other side. The coating can also be prepared with benzyl cellulose.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK USI BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

October ★ # U.S.I. ALCOHOL NEWS ★ 1941

THE ALCOHOL PRIMER



NO. 6 OF A SERIES ON THE SELECTION AND USE OF INDUSTRIAL ALCOHOL

S.D. ALCOHOLS 27, 27A, AND 27B

Among the authorized uses for S.D. Alcohols 27 and 27B, one of the most important is the preparation of liniments that comply with the U.S.P. or N.F., and, as in the case of other S.D. formulas, the authorized composition takes into account the applications of the formula.

S.D. Alcohol is extensively used in the preparation of camphor and soap liniment, U.S.P. XI. The authorized composition of S.D. 27 calls for the addition of 1 gallon of oil of rosemary, U.S.P., and 30 pounds of camphor, U.S.P., to 100 gallons of ethyl alcohol. The camphor and soap liniment is prepared by using the following proportions:

Soap, dried and granulated, or powdered....8 oz. av. 5 gr.
Camphor, in small pieces. 2 oz. av. 280 gr.
Oil of rosemary.....185 minims
S.D. Alcohol 27.....93.75 oz.
Water, a sufficient quantity to make.....128.00 fl. oz.

It should be carefully noted that the quantities of camphor and oil of rosemary in the formula for the camphor and soap liniment are *exclusive* of the quantities of these materials used as denaturants in the S.D. Alcohol. The amounts in the liniment formula represent the quantities that must be added so that the finished preparation will comply with the requirements of the U.S.P.

Liniment of Soft Soap

S.D. Alcohol 27B, authorized for use in preparing liniment of soft soap, U.S.P., has the following authorized composition: 1 gallon of oil lavender flowers, U.S.P., and 100 pounds of soft soap, U.S.P., are added to 100 gallons of ethyl alcohol. The liniment of soft soap is prepared as follows:

Soft soap.....81 oz. av. 240 gr.
Oil lavender.....2 fl. oz. 66 minims
S.D. Alcohol 27B, a sufficient quantity to make. 128.00 fl. oz.

In this case also the quantities of the ingredients in the liniment formula are exclusive of those used in denaturing the alcohol.

In addition to their use in liniments that conform with the U.S.P. and N.F., S.D. Alcohols 27 and 27B are both authorized for use in manufacturing external pharmaceuticals not U.S.P. or N.F., and also in disinfectants and insecticides. S.D. 27B may be used in the manufacture of face and hand lotions and shampoos, where the presence of soft soap and oil of lavender flowers in the S.D. Alcohol may offer advantages to the manufacturer, since he may wish to include these ingredients in his formulations.

S.D. Alcohol 27A

S.D. Alcohol 27A has only one authorized use — the manufacture of external pharmaceuticals not U.S.P. or N.F. This formula is prepared by adding 35 pounds of camphor, U.S.P., and 1 gallon of oil of cloves, U.S.P., to 100 gallons of ethyl alcohol.

Shipping containers for S.D. Alcohol 27, 27A, and 27B are: 8,000-gallon, 6,000-gallon, and compartment (3 x 2,000 gallon) tank cars; 55-gallon and 5-gallon steel drums; 50-gallon wood barrels; and 1-gallon boxed trade cans.

U.S.I. will be glad to give additional information on the properties of S.D. Alcohol 27, 27A, and 27B.

HERE AND THERE

Synthetic waxes with interesting possibilities in cosmetic formulation are described as superior to natural waxes in freedom from color, odor, and rancidity. Starting point in the synthesis is 12-hydroxystearic acid, isolated in pure form from hydrogenated castor oil. By esterifying the acid with various alcohols in a benzene medium with benzene sulfonic acid as catalyst, a series of esters ranging from the methyl to the steryl can be obtained.

The individual esters are crystalline, but fused mixtures of certain pairs of the esters, which differ from each other by at least two carbon atoms, appear to resemble waxes in their properties. Blends of the synthetic esters with fatty alcohols and free 12-hydroxystearic acid have been used experimentally in the formulation of cold creams and water-washable creams that are reported to compare favorably with products made with natural waxes.

Novel Uses for Pectin

Pectin, which is extracted from fruits with the aid of alcohol and is widely used in making jellies, is demonstrating its usefulness in medical and pharmaceutical applications. Recent tests indicate the possibility that pectin may be used as a substitute for blood plasma in treating shock cases. Easily prepared pectin solutions appear to have the characteristics necessary for transfusion into veins. Because of its value in various pharmaceutical uses, it is expected that pectin will be admitted to the Seventh Edition of the National Formulary. It has proved valuable, for example, in the treatment of intestinal infections; in speeding up the clotting of blood; and, in paste form, for the treatment of indolent ulcers and "bed sores."

Trends in Cosmetics

The effect of increased employment among women is being watched with interest by the cosmetic industry. One helpful result may be a trend toward simplification of lines. It has been suggested that all-day make-up may increase in popularity, and that customers may differentiate less between day and evening make-up. With a number of raw materials in short supply, cosmetic manufacturers will probably welcome any opportunity to simplify their lines as an aid in production problems. There will probably be more emphasis on the existing tones of make-up, in order to avoid the necessity of experimenting with new shades. It looks as if trends this year may exert a stabilizing influence.

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A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Methanol

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-I De-icing Fluid

*ANSOLS
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate
*Registered Trade Mark

PROPIONIC ESTERS
Amyl Propionate
Butyl Propionate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Oil, linseed, raw, dms., c.l.	lb.	.1070- .1090
l.c.l., 10 to 69	lb.	.1090- —
5 to 9	lb.	.1130- —
less than 5	lb.	.1150- —
tanks	lb.	.0980- .1000
boiled linseed oil .004 cent over raw.		
Lovage, extra fine, bots.	lb.	85.00 - —
Lubricating, at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2½-4, tanks,	gal.	.07¼- .11
red, 200-900 vis., 4-6½ plus, tanks	gal.	.07¼- .11½
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks,	gal.	.19½- .24½
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks	gal.	.12¼- .17¾
200-280 vis., 3, 15-25 pour, tanks	gal.	.12 - .14¼
Pennsylvania[3], bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks	gal.	.25 - .30½
cylinder oils, 600-630 flash, tanks	gal.	.16 - .18½
600 - 650 steam ref'd, tanks	gal.	.15 - .16½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks	gal.	.31 - .38½
200 vis., 0-25 pour, tanks,	gal.	.33 - .40½
Mace, dist., cns., dms.	lb.	2.15 - 2.65
Mandarin, Brazilian, cns.	lb.	8.00 - —
Italian, coppers	lb.	9.55 - —
Menhaden, crude, tanks, fut., Balto.	gal.	.61 - .63
ref'd alkali, dms.	lb.	.1220- —
kettle-bodied, dms.	lb.	.1320- —
light-pressed, dms.	lb.	.1120- —
tanks	lb.	.1000- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, bots., cns.,	lb.	1.45 - 1.60
dist., natural, bots.	lb.	9.50 -10.00
Neatsfoot[6], 20° cold test, bbls.	lb.	No prices
extra, bbls.	lb.	.13½- —
1, bbls.	lb.	.13¼- —
prime, bbls.	lb.	.14 - —
pure, bbls.	lb.	.17¾- —
Neroli, bots.	lb.	200.00 -375.00
Nutmeg, dist., cans, dms.	lb.	2.15 - 2.65
Oiticica, liquid, dms.	lb.	.22 - .22½
tanks	lb.	.21½- .22
Oleo, 1, bbls.	lb.	.12 - —
2, bbls.	lb.	.12¾- —
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., dms.	gal.	4.00 - 4.15
edible, Calif., dms.	gal.	4.85 - 5.00
imported, dms.	gal.	5.35 - 5.50
foots, dms.	lb.	.17 - .17½
sulphonated, 50% (40% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
75% (63% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
80% (68% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
Orange, sweet, dist., cs.	lb.	1.60 - —
expressed, Calif., cns.	lb.	3.00 - —
Brazilian, cns.	lb.	2.85 - 3.10
Florida, cns.	lb.	2.85 - 2.90
Messina, USP, coppers	lb.	8.00 Nom.
West Indies, cns.	lb.	4.75 - 6.00
terpeneless	lb.	35.00 -175.00
Origanum, cs.	lb.	2.30 - 2.40
Palm, Niger, dms.	lb.	.08½- —
Sumatra, tanks	lb.	.07¾- —
distant, ship't, bulk	lb.	.05 - —
Palmarosa, cns.	lb.	3.25 - 3.50
Paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼- —
350° flash, 70-80 vis., tanks, G. 3.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
300° flash, 100-110 vis., tanks, G. 3.	gal.	.06¾- —
Patchouli, bots., cns.	lb.	5.25 - 6.25
Peanut, crude, tanks	lb.	.12 Nom.
refd., edible, bbls.	lb.	.15¾ Nom.
Pennyroyal, dom., cns.	lb.	2.50 - 2.65
import, cns.	lb.	2.40 - 2.75
Peppermint, natural, cns., dms.	lb.	3.60 - 3.90
redist., USP, cns., dms.	lb.	3.95 - 4.15
Perilla, dms.	lb.	.22½- .25
tanks	lb.	.21½- —
Petitgrain Paraguay, cns.	lb.	1.70 - 1.75
dms.	lb.	1.65 - 1.70
Pimento berry, cns.	lb.	4.25 - 8.50
leaf, cns.	lb.	2.25 - 2.75
Pine, dest. dist., straw-color, dms., divd., E. ports.	gal.	.65 - —
steam-dist., dms.	gal.	.65 - .68
Pineneedle, Siberian, cns.	lb.	2.35 - 2.40
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.20½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.25 - —
dms., c.l., Boston, Providence,	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.26 - —
Rapeseed, tax incl., dms.	lb.	.15¼- .15½
tax not incl., tanks	lb.	.09¾- —
blown, dms.	lb.	.17½ Nom.
Red, dist., or saponif., dms., divd.	lb.	.12 - .13
tanks, divd.	lb.	.11¼- —
West coast prices one cent higher.		
Rose, synth., bots.	lb.	4.00 -60.00
natural, coppers	oz.	28.00 -30.00
Rosemary, Spanish, cns.	lb.	.88 - 1.03
dms.	lb.	.85 - 1.00
Rosin, 1st rectified, dms.	gal.	.48 - —
2d rectified, dms.	gal.	.50 - —
3d rectified, dms.	gal.	.54 - —
Rue, bots.	lb.	1.25 - —
Sage, cns.	lb.	2.10 - 2.20
Sandalwood, domestic, distilled, USP, cns.	lb.	4.65 - 5.00
Mysore, cns., case lots	lb.	5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst.	gal.	.62½- —
refd., alkali, dms.	lb.	.1220- —
kettle-bodied, dms.	lb.	.1320- —
light-pressed, dms.	lb.	.1120- —
tanks	lb.	.1000- —
Sassafras, artif., cns.	lb.	.78 - 1.30
dms.	lb.	No prices
natural, dom., cns., dms.	lb.	1.05 - 1.20
Savin, cns.	lb.	No stocks
Savory, cns.	lb.	No stocks
Seal, tanks	gal.	.72 - —
Shark, tanks	gal.	.71 - —
Shark liver, crude, dms.	million vitamin units.	No prices
Shingle stains, bbls., c.l., works,	gal.	.19 - —
l.c.l., works	gal.	.20 - —
tanks works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	8.50 -10.00
Soybean, dom., crude, dms.	lb.	.11¾ Nom.
tanks	lb.	.11 Nom.
refd., dms.	lb.	.13 Nom.
tanks	lb.	.12¼ Nom.
Spearmint, dms.	lb.	2.55 - 2.80
Oil, sperm[3], bleach, 38°, dms.	lb.	.1270- —
45°, dms.	lb.	.1200- —
natural, dms.	lb.	.1150- —
Spruce, cns., dms.	lb.	.93 - 1.15
Sweet, birch, North, cns.	lb.	2.50 - 3.25
South, cns.	lb.	1.60 - 1.75
Tall crude, dms., c.l., works.	ton.	40.00 - —
l.c.l., works	ton.	45.00 -50.00
tanks, works	ton.	80.00 - —
distilled, dms., c.l., divd.	lb.	.05½- .07
l.c.l., divd.	lb.	.06½- .08¼
tanks, divd.	lb.	.05 - .06¾
refined, dms., c.l., works.	lb.	.04 - —
l.c.l., works	lb.	.04½- —
tanks, works	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.13 - —
tanks	lb.	.12½- —
Tansy, cns.	lb.	3.55 - 4.25
Tar, pine, com'l, dms., c.l., divd. E. cities.	gal.	.28 - —
E. ports, c.l.	gal.	.27½- —
l.c.l.	gal.	.31 - —
tanks, divd. E. cities.	gal.	.21 - —
rectfd., USP, bbls., l.c.l., divd. E. ports.	gal.	.55 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.28 - —
refined, dms.	lb.	.30 - —
Tea tree (see Oil, Ti tree).		
Thyme, NF, red, cns.	lb.	1.85 - 2.20
white, cns.	lb.	1.95 - 2.35
Tung (see Oil, Chinawood).		
Ti tree, cns.	lb.	2.50 - 2.65
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	8.50 - —
Vetiver, Java, bots.	lb.	17.00 -18.00
Whale, ref., natural, dms.	lb.	.1070- —
winter, bleach, dms.	lb.	.1110- —
Oil, wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms.	gal.	.41 - .49
65-75 vis., dms.	gal.	.42 - .50
80-90 vis., dms.	gal.	.43 - .52
USP, 80-90 vis., dms.	gal.	.45 - .54
95-105 vis., dms.	gal.	.50½- .59½
125-135 vis., dms.	gal.	.56 - .63
140-150 vis., dms.	gal.	.58 - .69
175-185 vis., dms.	gal.	.61½- .70½
200-210 vis., dms.	gal.	.64½- .73½
320-330 vis., dms.	gal.	.72 - .81
335-345 vis., dms.	gal.	.73 - .82
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.75 - 6.00
South, cns.	lb.	3.50 - 3.85
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	2.50 - 4.00
Wormwood, cns.	lb.	4.50 - 5.00
Ylang-ylang, Bourb., bots., cns.	lb.	No stocks
Manila, bots.	lb.	35.00 -40.00
Olivine, aggregate c.l. mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bags, c.l., wks.	ton.	9.50 - —
ground, 325 mesh, c.l., mines.	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 -

Oil, Linseed—Orange Peel

Opium, gum, USP, 50-lb. lots, cns.	lb.	11.50 - —
25-lb. lots, cns.	lb.	11.75 - —
5-lb. lots, cns.	lb.	12.00 - —
1-lb. lots, cns.	lb.	12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.		
Orange, Lake, Persian, bbls.	lb.	.80 - .85
Mineral, Amer., bbls., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash.	lb.	.11½- —
Colo., Mont., N. M., Wyo.	lb.	.11¾- —
5 bbls., divd., other points.	lb.	.11¼- —
smaller lots, divd., Ala., etc.	lb.	.12 - —
Ariz., etc.	lb.	.12¼- —
Colo., Mont., N. M., Wyo.	lb.	.12¼- —
Other points	lb.	.11¾- —
French, Toure, casks, ex dock,	lb.	No prices
kgs., ex dock	lb.	No prices
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.45 - .50
Orange peel, bitter, bls.	lb.	.32 - .33
sweet, bls.	lb.	.11 - .17
Haitain, bgs.	lb.	.10 - .12

Cyclamal

The Accepted Basis For Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having the Properties most desired by the perfumer.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.)
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Freedom from Discoloration

Result: No worries about returned goods from this cause.

Cyclamal is of 100% Purity

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Phenyl Ethyl Alcohol
Ionone 100%
Ionone Methyl
Alpha Amyl Cinnamic Aldehyde

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1019 ELLIOTT ST., W., WINDSOR, ONT.

Orris Root—Pyroxylin

Orris root, Florentine, bgs....lb. 2.25 Nom.
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.50 Nom.
Verona, bls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniline, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - .17½
l.c.l., same basis.....lb. .17½- .18
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroaniline, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .19
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .23 - —
extract, bbls., No. 1.....lb. .11 - —
No. 2..lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 3.50 - 3.75
Paprika, Algerian, bgs.....lb. .32½- .33
Bulgarian, bgs.....lb. .26 - .29
Portuguese, extra fancy, bgs.lb. .35½- .36
good, bgs.....lb. .30 - .31
Spanish, extra fancy, cs....lb. .42 - .42½
medium, cs.....lb. .36 - .37
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l.....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .06¼ Nom.
bbls., c.l., N. Y.....lb. .06¼ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .06¾ Nom.
bbls., c.l., N.Y.....lb. .06¼ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .06 Nom.
fully refd., 123-125 A.m.p., bgs., c.l..lb. .03 Nom.
125-127 A.m.p., bgs., c.l. lb. .06 Nom.
128-130 A.m.p., bgs., c.l. lb. .06 Nom.
131-133 A.m.p., bgs., c.l. lb. .06¼ Nom.
133-135 A.m.p., bgs., c.l. lb. .0655 Nom.
135-137 A.m.p., bgs., c.l. lb. .0680 Nom.
138-140 A.m.p., bgs., c.l. lb. .0755 Nom.
143-145 A.m.p., bgs., c.l. lb. No prices
151-153 A.m.p., bgs., c.l. lb. No prices

Refined paraffin, loose, is 40 points below the above in each case. Prices are for contract delivery.

match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .06 Nom.
Paraformaldehyde,[2,3,6] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs., shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroaniliin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works..lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd..lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentanes, 28°-38° C., industrial grade, dms., c.l., G.S. gal. .11 - —
l.c.l., G.S.....gal. .19 - —
tanks, G.S.....gal. .08½- —
laboratory grade, dms., c.l., —
Pepper, blk., Alleppy, bags..lb. .08¾- .09½
Lampong, bgs.....lb. .0600- .0630
Tellicherry, bags....lb. .08½- .09
white, Java, Muntok, bags..lb. .11 - .11½
Singapore Muntok, bgs...lb. .10½- .11
Muntok, small berry, bgs..lb. .09½- .10
red, chillies, Japan, Hontaka.lb. .25½- .26
Mombassa, bgs.....lb. .22½- .23
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .65 - .70
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. 1.35 - 1.40
Petrolatum, amber, dms.....lb. .03½- —
l.c.l.....lb. .04½- —
amber, extra, dms.....lb. .03¾- —
l.c.l.....lb. .04¾- —
white, cream, dms., c.l.....lb. .05 - —
l.c.l.....lb. .06½- —
lily, dms., c.l.....lb. .05¾- —
l.c.l.....lb. .07¼- —
snow, dms., c.l.....lb. .06½- —
l.c.l.....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California.....bbl. .43 - 1.71
Canada.....bbl. 1.08 - 1.70
Central West:—
Illinois.....bbl. 1.37 - —
Ohio.....bbl. 1.05 - 1.10
Michigan.....bbl. 1.17 - 1.44
Indiana.....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.43
Kentucky, Tennessee.....bbl. 1.22 - 1.42
Louisiana, Arkansas.....bbl. .94 - 1.26
Mexico.....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.35
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.75 - —
Corning.....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
S. W. Penn lines.....bbl. 2.40 - —
Lower district in National Transit lines..bbl. 2.63 - 2.68
Rocky Mountains.....bbl. .98 - 1.20
South Central and Southwestern Texas..bbl. 1.08 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.37
Ether, laboratory grade, 30-60°C, c.l..gal. .16 - —
l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
35-60°C., l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
40-75°C., c.l.....gal. .16 - —
l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
Petroleum ether prices are spot quotations, f.o.b. Group 3, for material packed in drums.
Lacquer, diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wolles, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07¾- .08¾
Benzol type, tanks..gal. .07¾- .08¾
mineral spirits at refinery, California (f.o.b. San Francisco), 166-252 b.r., tanks, gal. .10¾- —
198-290 b.r., tanks...gal. .10½- —
246-397 b.r., tanks...gal. .10¼- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon:—
Albany.....gal. .13¾- —
Baltimore (100 gals.)..gal. .14 - —
35-99 gals.....gal. .16 - —
Boston.....gal. .11½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo.....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago.....gal. .1670- —
Decatur.....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1530
Milwaukee.....gal. .1930- —
Minneapolis-St. Paul..gal. .19¼- —
Newark.....gal. .09½- —
New York (200 gal.)..gal. .10¾- —
Omaha.....gal. .12½- —
Pittsburgh.....gal. .11½- .12½
Providence.....gal. .12 - —
Rochester.....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse.....gal. .10½- —
Trenton.....gal. .10¼- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks..gal. .06¾- —
tankwagon, Boston, ex tax, gal. .12½- —
Bridgeport.....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
3, same basis.....gal. .22¼- —
8, tanks, f.o.b. Wilmington, Cal..gal. .14 - —
30, same basis.....gal. .13½- —
40, same basis.....gal. .13½- —
V.M.& P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond.....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —

Petroleum, naphtha, V.M.&.P., tankwagon, Boston, ex tax, gal. .12½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax, gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Inc., ex tax, gal. .1520- .1630
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10¾- —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco). gal. .24 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06½- —
Tankwagon, Boston, ex tax, gal. .11½- —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax.. gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .10¼- —
Omaha.....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol,[3] USP, dms., c.l., works, frt. equald..lb. .12½- .13
l.c.l., same basis.....lb. .13½- .13¾
under 1,000 lbs.....lb. .14¼- .14¾
tanks, works.....lb. .11½- .12
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 5.00 - 6.00
dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.90 - 3.50
Phenylethylphenyl acetate, bots lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots. lb. 4.55 - —
hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works.....lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 76% min..long ton. 5.00 - —
land-pebble, 68% min.long ton. 2.00 - —
70% min.....long ton. 2.30 - 2.40
72% min.....long ton. 2.75 - 3.00
74% min.....long ton. 4.00 - —
Tenn., 72% min.....long ton. 5.00 - —
75% min.....long ton. 6.00 - —
Phosphate rock prices are for shipment in bulk, f.o.b. mines.
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases.....lb. .23 - .25
Oxychloride,[3] cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .13
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, ton..lb. .35 - —
single, bbls., works.... ..lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride,[4] bbls., c.l., works, frt. all. E. of Miss. R...lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots., vis.....oz. 3.25 - 3.75
Pimento, Jamaica, bgs.....lb. .20 - .20½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .42 - .45
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l.....ton. 22.00 - —
hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls....lb. .12 - .18
Podophyllin, dms., 100-lb. lots, dlvd. E. of Miss..lb. 7.65 - —
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .46 - .48
Indian, white, bgs.....lb. .09¼- .09¾
Turkish, bgs.....lb. .34¾- .35¼
Potash abietate.....lb. .68 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst. bbls., 300 lbs. .14 - —
gran., bbls., 250 lbs.....lb. .14 - —
Bichromate,[3,5] spots, c.l., works..lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs. lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —

Potash, caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¼- —
liquid, 45% basis, dms.....lb. .03½- .03¼
tanks.....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06¾
Chlorate,[3] cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate,[3,5] kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -14.95
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
50-lb. lots, cbys. or cns..lb. 1.65 - —
25-lb. lots, cns.....lb. 1.75 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports, unit-ton. .60 - —
f.o.b. Carlsbad, N.M.,unit-ton. .20 - .21
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .18 - .20
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports.. unit-ton. .56 - .58
min. 60% K_2O, same basis.. unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports. ton. No prices
Perchlorate,[3] kgs., wks.....lb. .09½- .11
Permanganate,[3] tech., dms., works..lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red, bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs. lb. .07 - —
Sulphate, NF, powd., 550 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90%, K_2SO_4, ex vessel, ports..ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms.. c.l.....lb. .12 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .55 - .65
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice, dom., grd., fine, 4F, 2F, F, O, bgs., 5 tons and up..lb. .03¼- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., 5 tons and up..lb. .03¼- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04¼- —
Imp., Italian.....lb. No prices
Pumice stone packed in barrels is ¼c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.20 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.20 - —
Pyrethrum flowers, coarse.. grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .19 - .20
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .20 - .21
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb.' 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l., mines..ton. 10.00 - —
325 mesh, same basis.....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.	lb.	.05	- .06
Quebracho extract, liquid, 25% tan, bbls., works	lb.	.05¾-	—
tanks, works	lb.	.05¼-	—
solid, 63%, bgs., c.l., ex dock, plus duty	lb.	.04¾-	—
clarified, 64%, bgs., c.l., same basis	lb.	.05 -	—
pwd., bgs., e.l.	lb.	.10½-	—
l.c.l., bgs	lb.	.11 -	—
Queen of the meadow leaves bgs.	lb.	.07½-	.08
Root, bgs	lb.	.10 -	.11
Quercitron, crystals, bgs.	lb.	.26 -	—
extract, bgs., No. 1	lb.	.10 -	—
No. 2	lb.	.09½-	—
No. 3	lb.	.09 -	—
solid, bxs.	lb.	.18½-	—
Quicksilver,[3,4,5] dom., flasks (76 lbs. net), divd., N.Y.	flask.	192.00	-195.00
Quince seed, bgs.	lb.	1.25	- 1.80
Quinidine, N.F.V., cryst., cns.	oz.	1.06	- —
powd., precip., cns.	oz.	1.01	- —
Sulphate, cns.	oz.	.71	- —

Subject to surcharge of 8½c. per oz; see note under Quinine.

Quinine, 100 ozs., cns.	oz.	.84	- —
Acetate, cns.	oz.	1.05	- —
Arsenate, cns.	oz.	1.05	- —
Arsenite, cns.	oz.	1.07	- —
Bisulphate, cns.	oz.	.60	- —
Citrate, cns.	oz.	.78	- —
Dihydrobromine, bots.	oz.	.82	- —
Dihydrochloride, bots.	oz.	.82	- —
Ethylcarbonate, cns.	oz.	.85	- —
Ferrocyanide, cns.	oz.	1.07	- —
Formate, cns.	oz.	1.00	- —
Hydrochlorosulphate, cns.	oz.	.81	- —
Glycerophosphate, cns.	oz.	1.20	- —
Hydrochloride, cns.	oz.	.76	- —
Hydroiodide, cns.	oz.	1.05	- —
Hypophosphite, cns.	oz.	1.07	- —
Phosphate, cns.	oz.	.80	- —
Salicylate, cns.	oz.	.79	- —
Sulphate, USP, XI, cns.	oz.	.67	- —
Sulphocarbolate, cns.	oz.	1.05	- —
Tannate, cns.	oz.	.63	- —
Valerate, cns.	oz.	.99	- —
Tartrate, cns.	oz.	1.03	- —

Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.	oz.	.81	- —

Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.	lb.	.55	- —
paste, dms.	lb.	.52	- —
Rapeseed, Argentine, bgs.	lb.	.07¾-	.08¼
Dutch, bgs.	lb.	No stocks	
Indian, medium, recleaned, bgs.,	lb.	.07½-	.08
Japanese ogs.	lb.	No stocks	
Raspberries, dried, bls.	lb.	.65	- .70
Red, alizarin lake, bbls., divd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.10	- 1.90

Red, alizarin lake prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher divd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld.	lb.	.95	- —
smaller lots	lb.	1.00	- —
pkgs., ton lots	lb.	1.00	- —
smaller lots	lb.	1.05	- —
light shade, bbls., ton lots.	lb.	.80	- —
smaller lots	lb.	.85	- —
pkgs., ton lots	lb.	.85	- —
smaller lots	lb.	.90	- —
light-medium shade, bbls., ton lots.	lb.	.85	- —
smaller lots	lb.	.90	- —
pkgs., ton lots	lb.	.90	- —
smaller lots	lb.	.95	- —
maroon shade, bbls., ton lots,	lb.	1.05	- —
smaller lots	lb.	1.10	- —
pkgs., ton lots	lb.	1.10	- —
smaller lots	lb.	1.15	- —
maroon shade, deep, bbls., ton lots.	lb.	1.15	- —
smaller lots	lb.	1.20	- —
pkgs., ton lots	lb.	1.20	- —
smaller lots	lb.	1.25	- —
medium shade, bbls., ton lots,	lb.	.90	- —

WHEN THE FIRST RAILROAD across the nation was completed, a golden spike was driven in the last tie that joined this great ribbon of steel between the East and the West. The vision, firm purpose, and hard work that finally achieved this great union, marked an epoch in transportation that was symbolized forever in that one golden spike.

THE GOLDEN SPIKE THAT SEALED A GREATER SERVICE...

FROM THE PAINTING, "DRIVING THE LAST SPIKE," BY THOMAS HILL. REPRODUCED BY COURTESY OF M. H. DE YOUNG MEMORIAL MUSEUM, SAN FRANCISCO.

The joining of the Niagara Alkali Company and the Electro Bleaching Gas Company is likewise an historic completion of a great service ... in the fields of chemical research and manufacture. The "golden spike" that symbolizes this union is the reputation and integrity painstakingly maintained by each of these two companies that now become one...the Niagara Alkali Company...united in enterprise and resources to better serve man and his industries.

Niagara ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
CAUSTIC POTASH · CAUSTIC SODA
PARA · CARBONATE OF POTASH
Liquid Chlorine
EBG NIAGARA ALKALI COMPANY

Quassia Chips—Salicin

Red, cadmium, medium shade, smaller lots	lb.	.95	- —
pkgs., ton lots	lb.	.95	- —
smaller lots	lb.	1.00	- —
Cadmium, lithopone quotations are at the works, changes prepaid or allowed E. of Rocky Mts.			
Selenide, bbls., light, works.	lb.	2.85	- —
maroon, works	lb.	2.90	- —
Carmine, 40, dms., 100 lbs.	lb.	4.60	- —
50 lbs.	lb.	4.75	- —
cns., 5 lbs.	lb.	5.25	- —
1 lb.	lb.	5.35	- —
Crocus martis (see Red, purple oxide).			
Eosin toner, bbls.	lb.	1.25	- —
Fire toner, bbls.	lb.	.85	- —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.09¼-	—
80-85%, bbls., same basis.	lb.	.07¾-	—
Iron oxide (see Red oxide).			
Lacquer maroon, bbls., same basis.	lb.	1.25	- —
Lake C toner, bbls., same basis, alizarin, lake, contracts.	lb.	.90	- —
open order	lb.	.90	- —
Litho toner, bbls., same basis, alizarin, lake, contracts.	lb.	.60	- —
Rose, lake, bbls.	lb.	.25	- .28
Pink, bbls.	lb.	.20	- .25
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts.	lb.	1.15	- —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts.	lb.	.40	- —
Mercury oxide, tech., bbls., 10,000 lbs.	lb.	3.09	- —
smaller lots	lb.	3.11	- —
Metallic, bbls., Pa., works.	lb.	.02	- —
Orange, Persian (see O).			
Oxide, pure, bbls., c.l., wks.	lb.	.09	- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio.	lb.	.08¾-	—
80% copperas oxide, bbls., same basis.	lb.	.08¼-	—
Para, toner, concent., kgs., same basis, alizarin lake, contracts.	lb.	.70	- —
open order.	lb.	.70	
Persian Gulf, oxide, bbls., l.c.l.	lb.	No prices	
Phloxin toner (see Red, Eosin-toner)			
Phosphotungatic rhodamine, Y, kgs.	lb.	4.15	- —
Purple lake, kgs.	lb.	.60	- 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis.	lb.	.03¼-	—
Toner, kgs.	lb.	1.50	- 2.00
Scarlet ink toner, kgs., same basis alizarin lake.	lb.	.55	- —
Lake, kgs., same basis alizarin lake.	lb.	.25	- .30
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y.	lb.	.04¾-	—
l.c.l.	lb.	.04¾-	—
Grade 2, c.l., bbls., f.o.b. N.Y.	lb.	.04½-	—
l.c.l.	lb.	.04¾-	—
Toluidin toner, kgs., same basis alizarin lake.	lb.	1.20	- —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis.	lb.	11	- .40
Venetian, bbls., works.	lb.	.0220-	—
10%, bbls., works	lb.	.0245-	—
15%, bbls., works	lb.	.0265-	—
20%, bbls., works	lb.	.02¾-	—
25%, bbls., works	lb.	.03 -	—
30%, bbls., works	lb.	.03¼-	—
35%, bbls., works	lb.	.0360-	—
40%, bbls., works	lb.	.04 -	—
Vermilion, Amer., bbls., same basis alizarin lake.	lb.	Nom.	
quicksilver, bbls.	lb.	3.20	- 3.27
Red dyes are listed under Dyes.			
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more.	lb.	3.26	- —
Red saunders wood, ground, bbls.	lb.	.35	- —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss.	lb.	.68	- —
smaller quantities, works.	lb.	.74	- —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss.	lb.	1.80	- —
Rhatany root, bgs.	lb.	.10	- .11
Rhubarb, No. 1, high, dried, cs.	lb.	.50	- .63
powd., bbls.	lb.	.55	- .67
No. 2, cs.	lb.	.29	- .40
powd., bbls.	lb.	.43	- .44
Riboflavin	gram.	1.50	- 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't.	lb.	.43½-	—
smaller lots	lb.	.44	- —
powd., bbls., 5,000 lbs., 1 ship't.	lb.	.42½-	—
smaller lots	lb.	.43	- —
Rose flowers, pale, bls.	lb.	.42	- .43
red, bls.	lb.	5.00	Nom.
Rosemary, flowers, bls.	lb.	.45	- .50
leaves, bls.	lb.	.16	- .17
Rosin, gum, B, bbls., ex dock	100 lbs.	3.04	- —
D, bbls.	100 lbs.	3.04	- —
E, bbls.	100 lbs.	3.04	- —
F, bbls.	100 lbs.	3.03	- —
G, bbls.	100 lbs.	3.03	- —
H, bbls.	100 lbs.	3.01	- —
I, bbls.	100 lbs.	3.01	- —
K, bbls.	100 lbs.	3.03	- —
M, bbls.	100 lbs.	3.16	- —
N, bbls.	100 lbs.	3.21	- —
W. G., bbls.	100 lbs.	3.34	- —
W. W., bbls.	100 lbs.	3.45	- —
X, bbls.	100 lbs.	3.45	- —
Rottenstone, dom., bgs., c.l., f.o.b. mines.	ton.	25.50	- —
l.c.l., f.o.b. mines	ton.	27.50	- —
Rouge, lump, bbls.	lb.	No prices	
powd., bbls.	lb.	No prices	
Rue, bls.	lb.	.30	- .35

S

Sabadilla seed., powd., bbls.	lb.	.22	- .23
Saccharin, dms., 100 lbs.	lb.	1.45	- —
cns., 25 lbs.	lb.	1.48	- 1.58
Safflower, bls.	lb.	.35	- .40
Saffron, Mexican, bls.	lb.	.40	- .45
Spanish, tins.	lb.	39.00	-40.00
Safrol, cns.	lb.	1.50	- 1.60
dms.	lb.	No prices	
Sage, Dalmatian, garden, bls.	lb.	1.45	- 1.50
stemless, bls.	lb.	No stocks	
ground, bls.	lb.	1.75	Nom.
Greek, bls.	lb.	1.15	- 1.20
Spanish, bls.	lb.	.45	- .47
Sago flour, bgs.	lb.	.04¾-	.05¼
Salicin, bots., 5 lbs.	lb.	7.00	- —
cns., 25 lbs.	lb.	6.75	- —

Salol—Soda Bisulphite

Salol, gran., bbls., 200-lbs....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —

Salt, rock, bgs., dlvd. N.Y..ton.14.20 - —
l.c.l., bgs., dlvd. N.Y....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.19.40 -23.20

Saltcake, dom., bulk, works..ton.15.00 - —
import, bulk, c.i.f.....ton.16.00 Nom.
Chrome (see Chrome cake).

Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons..... 100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons..... 100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —

Santonin, cryst., cns.....kilo.175.00 -180.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .19 - .20
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.35 - 1.40
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .95 - 1.00
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .13 - .14
Pods., bls.....lb. .10 - .12
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls., f.o.b. N. Y..lb. .37 - .38
dlvd., Boston.....lb. .38 - .39
Chicago.....lb. .38½- .39½
Pacific Coast.....lb. .40½- .41½
rfd., bbls., f.o.b. N. Y....lb. .43 - .44
dlvd., Boston.....lb. .43½- .44½
Chicago.....lb. .44¾- .45¾
Pacific Coast.....lb. .46¾- .47¾
Garnet, bgs.....lb. .30 - .31
D.C., V.S.O., or Diamond 1, cs., lb. .39 - .40
Superfine, bgs., f.o.b. Boston, N. Y..lb. .30 - .31
dlvd., Chicago.....lb. .30½- .31½
Pacific Coast.....lb. .33 - .34
T.N., bgs., f.o.b. Boston, N.Y. lb. .29 - .30
Pacific Coast.....lb. .32½- .33½
dlvd., Chicago.....lb. .29½- .30½
Shellac, varnish, Metro area, orange, 5-lb. cut, bbls., gal. 1.55 - 1.60
4½-lb. cut, bbls.....gal. 1.50 - 1.55
4-lb. cut, bbls.....gal. 1.45 - 1.50
white, 5-lb. cut, bbls.....gal. 1.70 - 1.75
4½-lb. cut, bbls.....gal. 1.65 - 1.70
4-lb. cut, bbls.....gal. 1.60 - 1.65
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton23.00 - —
99% 325 mesh, bgs., c.l., works..ton.22.00 - —
med., grd., 99% 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, 100-oz. bots.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Protelnate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .40 - .45
Skullcap, Eastern, bls.....lb. .27 - .28
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .60 - .65
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .09 - .10
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .16 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 58% dms., c.l., dlvd..lb. .04½- .05
l.c.l., dlvd.....lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - .07
Alginate, dms., bbls., works.lb. .69 - .70
Aluminate, white soluble, c.l., bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald....100 lbs. 7.75 - —
l.c.l., bgs., frt. equald.100 lbs. 8.40 - —
dms., frt. equald....100 lbs. 8.65 - —
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾
Soda, arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¾- —
l.c.l., dms., works.....lb. .07½- .08½
white, dms., c.l., dealers, works..lb. ..07¾- —
l.c.l., dms., works.....lb. .08½- .09½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2.....100 lbs. 2.33 - —
3.....100 lbs. 2.58 - —
4.....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.05 - 1.13
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash, light, 58%, bgs., c.l., works..100 lbs. 1.05 - 1.13
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian; Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works.... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, [2], [2] spot, c.l., wks., lb. .07¾- —
l.c.l., 6 cks., or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbls. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —

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Soda, bisulphite, solut., 35 deg., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
fiber dms., 100 lbs.....lb. .28 - .32
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
L.c.l., same zone prices as ammonia process
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[3,5] spot, c.l., works, lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09½- —
Citrate, USP VIII, 225-lb. bbls. lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb.lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms.lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .10 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 30%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots....lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
powd., bbls., 1,000-lb. lots, lb. 1.80 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.70 - —
solution, cbys., cns.....lb. .82 - 1.02
Hydrosulphite, dms., frt. alld.lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bge., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
pea, bgs. c.l., works.100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
pea, less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.52 - 2.57
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.90 - —
3-14 dms., same basis... 100 lbs. 5.05 - —
1-2 dms., same basis... 100 lbs. 5.30 - —
gran., bbls., c.l., works....lb. 2.50 - —
10 bbls. and over, dlvd. N.Y..lb. 3.30 - —
1-9 bbls., dlvd. N.Y.....lb. 3.55 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment .....ton.30.05 - —
200-lb. bgs., same basis, ton.29.35
bulk, same basis.....ton.27.00 - —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment...ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis....ton.30.00 - —
refd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized. lb. .06¾- —

Soda, nitrite, 96-98%, dom., bbls., c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l. prices range represents delivery at various points.

Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1-2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.15 - —
10 bbls. and over, dlvd. N.Y.C..100 lbs. 4.30 - —
1-9 bbls., same basis..100 lbs. 4.55 - —
Oxalate, neut., bbls.....lb. .09½- —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 6.00 - 6.25
l.c.l., works.....100 lbs. 6.15 - 7.25
bbls., c.l., works...100 lbs. 6.20 - 6.45
l.c.l., works.....100 lbs. 6.70 - 7.45
cryst., tech., bgs., c.l., wks. 100 lbs. 2.55 - 2.70
l.c.l., works.....100 lbs. 2.95 - 3.45
bbls., c.l., works...100 lbs. 2.75 - 2.90
l.c.l., works.....100 lbs. 3.15 - 3.65

Soda, phosphate, monobasic, anhyd., bgs., c.l., works... 100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l., works..lb. 2.70 - 2.85
l.c.l., works.....100 lbs. 3.10 - 3.60
bbls., c.l., works...100 lbs. 2.90 - 3.05
l.c.l., works.....100 lbs. 3.30 - 3.80
kegs, c.l., works...100 lbs. 3.40 - 3.55
l.c.l., works.....100 lbs. 3.75 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11½- .16
Picranate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots.....lb. .11¼- —
contracts .....lb. .10¼- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd 100 lbs. 5.10 - 6.10
5 tons and over same basis, 100 lbs. 5.35 - 6.25
less than 5 tons same basis, 100 lbs. 5.60 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - 6.30
5 tons and over same basis, 100 lbs. 5.55 - 6.45
less than 5 tons same basis, 100 lbs. 5.80 - 6.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —

Soda Bisulphite—Soda Sulph.

Soda, sesquicarbonate, bbls., l.c.l., Zone 1..100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
10 bbls. or over, dlvd. N.Y.C., 100 lbs. 4.05 - —
1-9 bbls.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .12 - .15
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI. ex-siccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½

THE SUMAC TUB

Today, as in 1850, sumac is one of the vegetable materials used in tanning. In those days tanning was a tedious process employing very crude equipment and taking as long as a year to complete. Even now, with the use of modern machinery, the vegetable tanning process is a long one.

Until 1884, when Chrome Tanning was discovered, vegetable tanning was applied to all types of leather. Since then Chrome Tanning has largely supplanted the older method for shoe upper leathers, hand bags, and gloves. Chrome Tanning produces a better, tougher, and more pliable leather in much less time and at considerably less cost than the older vegetable method.

The Mutual Chemical Company of America has not only supplied the tanning industry with Bichromate of Soda continually since tanners adopted the Chrome Tanning process, but has also made worthwhile technical contributions to the development of the process itself.

MUTUAL CHEMICAL CO. OF AMERICA NEW YORK

Mutual Chemical Co of America

270 MADISON AVENUE, NEW YORK

Soda Sulphide—Titanium

Soda, sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.90 - —
less than 5 tons, dlvd. 100 lbs. 3.15 - —
solid, bbls., c.l., works, 100 lbs. 3.15 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.65 - —
less than 5 tons, dlvd. 100 lbs. 3.90 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, C.P., dms....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .13¼- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41%, bgs.....ton. 44.70 - —
protein, bgs., c.l., works.....lb. .20 - —
l.c.l., 10-20 tons, works....lb. .20¼- —
100-20,000 lbs., works.....lb. .20½- —
smaller lots, works.....lb. .24 - —
Sparteine sulphate, cns.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .33 - .35
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01¼- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .50 - .60
White, bls.....lb. .21 - .23
powd. bbls., bxs.....lb .35 - .40
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l. .....lb. .0710- —
Import, bgs.....lb. No prices
Starch, rice, bgs.....lb. .08½- .09½
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .10 - .10½
Stillingia, root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 2.00 Nom.
Stramonium leaves, bls.....lb. .32 - .33
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs..lb. 3.75 - 4.00
Strolyl, acetate, bots.....lb. 3.10 - 3.25
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, C.P. grade., bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .24 - —
l.c.l., 10 or over.....lb. .25 - —
less than 10.....lb. .26 - —
Sulfadiazine, tablets, bots., 50's. ea. 4.86 - —
100's .....ea. 8.46 - —
1,000's .....ea. 72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz bots.....ea. 8.10 - —
1-lb. bots.....ea. 30.00 - —
Sulfanilamide, 5 lbs., bots....lb. 1.70 - —
f.b. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot.....ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
flowers, USP, bgs., c.l..100 lbs. 3.05 - —
l.c.l. .....100 lbs. 3.55 - —
bbls., c.l.....100 lbs. 3.40 - —
l.c.l. .....100 lbs. 3.90 - —
flour, comm'l bgs., c.l..100 lbs. 1.65 - —
l.c.l. .....100 lbs. 2.15 - —
Sulphur, refined, cast, bgs., c.l. 100 lbs. 2.20 - —
l.c.l. .....100 lbs. 2.70 - —
heavy, USP, bgs., c.l..100 lbs. 2.60 - —
l.c.l .....100 lbs. 3.10 - —
bbls., c.l.....100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
light, USP, bgs., c.l..100 lbs. 2.70 - —
l.c.l. .....100 lbs. 3.20 - —
bbls., c.l.....100 lbs. 3.05 - —
l.c.l. .....100 lbs. 3.55 - —
lump, bgs., c.l.....100 lbs. 2.20 - —
l.c.l. .....100 lbs. 2.70 - —
bbls., c.l.....100 lbs. 2.55 - —
l.c.l. .....100 lbs. 3.05 - —
roll, bgs., c.l.....100 lbs. 2.40 - —
l.c.l. .....100 lbs. 2.90 - —

Prices at the mine for various grades refined sulphur 25c. less per 100 pounds.

Rubbermakers, comm'l, 99¼%, bgs., c.l., frt. alld..100 lbs. 2.05 - —
refined, 100%, bgs., c.l. frt. alld..100 lbs. 2.40 - —

Chloride, 55-gal. dms., c.l....lb. .03 - .03¼
l.c.l., dms., works....lb. .04 - .04¼
10-gal. dms., c.l.....lb. .07 - .07¼
l.c.l. .....lb. .08 - .08¼
Dioxide, liquid, com'l., cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .05 - .05½
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton. 10.00 - —
20%, bulk, same basis....ton. 12.00 - —
triple, bulk, f.o.b. works....ton. No prices

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Talc, dom., Calif., 1, c.l.....ton. 20.00 - —
2, c.l.....ton. 17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, c.l..ton. 14.00 -16.00
l.c.l. .....ton. 16.00 -18.00
99-99½%, 325 mesh, c.l.... ton. 15.25 -17.25
l.c.l. .....ton. 17.25 -19.25
96-98%, 325 mesh, c.l..ton. 15.00 -17.00
l.c.l .....ton. 17.00 -19.00
99.95%, 325 mesh, c.l..ton. 17.00 -19.00
coarse, off-color, c.l.....ton. 11.00 -13.00
Aluminum, flake type, grd. c.l..ton. 21.00 - —
l.c.l. .....ton. 24.50 - —
Vermont, c.l.....ton. 14.00 - —
l.c.l. .....ton. 15.00 - —
Imp., Canadian.....ton. No price.
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packing
Tallow, extra, loose.....lb. .09 - —
special, loose.....lb. .08¾- —
sulphonated, 65% (24% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....lb. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.75 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 4.75 & .10
high-grade, bulk, Chicago, unit-ton. 5.25 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports..unit-ton. 4.60 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .04¾- .06¾
Tar acid oil, 15%, dms., c.l., works..gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works.....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., dlvd. E. cities..gal. .20 - —
ports .....gal. .31 - —
tanks, dlvd. E. cities....gal. .22 - —
Tarragon herb, bgs.....lb. 1.50 Nom.
Tartar emetic, tech., nne gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpinyl acetate, cns.....lb. .74 - —
dms. .....lb. .71 - —
Terpin hydrate, bbls., dms....lb. .60 - .65
Terpineol, CP, cns.....lb. .36 - —
dms. .....lb. .33 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrosphosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. No prices
Sodiosalicylate, dms.....lb. No prices
Thiamine hydrochloride, bots., cns., gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thio Urea, C.P., dms.....lb. .53 - .65
Thorium, nitrate, cs, works...lb. 2.00 - —
Thyme, French, bls.....lb. .76 - .78
Spanish, bls.....lb. .19 - .19½
Thymol, cns., 25 lbs.....lb. 2.35 - —
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see cube root).
Tin chloride (ous), anhyd.....lb. .43 - .43½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[1,4] Straits.....lb. .52 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. No price
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14¼- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —

Spot Deliveries

Nickel Sulphate

ZINC SULPHATE . . SODIUM HYDROSULPHITE . . COPPER CARBONATE
WHITE HEAVY CALCINED MAGNESIA . . . . SODIUM FLUORIDE
WHITE CALCINED MAGNESITE . . . . . SODIUM ACETATE

OTHER SPECIAL PRODUCTS

Distributors for RUFERT CHEMICAL COMPANY

NICKEL FORMATE . . . . ALSO NICKEL CATALYST
NICKEL CARBONATE . . . NICKEL OXIDE . . . ETC.

GOLWYNNE CHEMICALS CORPORATION

420 EXINGTON AVENUE • NEW YORK, N. Y • PHONE LE 2-9740

Titanium, dioxide, bbls., c.l. (20 tons)..lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons)..lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery..lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons)..lb. .05¼- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l. .....lb. .05¾- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol[8], (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable. gal. .33½- —
tanks, E. of Omaha, frt. alld.. gal. .28½- —
W. Coast, f.o.b. Minnequa, Col..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - .—
Trimyl borate, dms., l.c.l., works. lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works. lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene, dms., c.l., works., frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo, Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl, phosphate,[8] CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .37½- —
Tech., dms., c.l.....lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works. lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works. lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd..lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate[8], dms....lb. .88 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., workst.on.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd.,[8,5] 90% dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09¾- —
Madras, bgs.....lb. .08¾- .09
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .85½- —
l.c.l., 10 ex dock.....gal. .87½- —
5 ex dock.....lb. .89½- —
wood, dest., dist., dms., dlvd. E. ports..gal. .62 - .65
tanks, dlvd., E. cities...gal. .55 - —
steam-dist., dms., c.l., dlvd.gal. .80 - —
l.c.l., dlvd.....gal. .83 - —
tanks, dlvd.....gal. .75 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va. ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
Urea, dom., 46% N., bgs., less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.57.40 - —
Urea-ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.127.00 - —
Uva ursi leaves, bls.....lb. .18 - .20

V

Valerian root, Belgian, bls....lb. .93 - 1.00
Eastern, bls.....lb. .60 - .65
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. No prices
Mexican, tins.....lb.15.00 Nom.
cuts, tins.....lb.14.00 Nom.
South American, tins.....lb. No prices
Tahiti, tins.....lb. 5.50 - 6.00
Oleoresin, bots.....lb. No prices
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.50 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.55 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals. dms., works.....lb. .25 - —
Ether, 75 c.c.....bot. 1.30 - —
50 c.c.....bot. .73½- —
25 c.c.....bot. .45½- —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0460- .04475
liquid, tanks.....lb. .05 - —
bbls. .....lb. .05¾- —
Wax, amorphous, group 3, at refineries: 160-165, amber. lb. .15½- —
black .....lb. .14 - —
white .....lb. .26 - —
180-185, amber.....lb. .17½- —
black .....lb. .16 - —
white .....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .56 - —
cake, cs.....lb. .57 - —
discs, cs.....lb. .58 - —
yellow, crude, Africa, 10-bg. lot..lb. No stocks
1 bg.....lb. No stocks
Brazil, bgs.....lb. No stocks
refd., slabs, cs., lbs.....lb. .51 - .52
Candelilla, bgs., 1 ton.....lb. .32 - .33
jobbing lots.....lb. .33 - .34
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .74 - .75
5 bgs.....lb. .74½- .75½
1 bg.....lb. .75 - .76
N. C., 3, bgs., 1 ton.....lb. .76½- .77½
5 bgs.....lb. .77 - .78
1 bg.....lb. .77½- .78
refined, bgs.....lb. .81 - .82
yellow, No. 1, bgs., ton....lb. .84 - .85
5 bgs.....lb. .84½- .85½
1 bg.....lb. .85 - .86
No. 2, bgs.....lb. .82 - .83
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .12½- .13
jobbing lots.....lb. .13½- .14
150°-160° m.p., bgs., 1 ton..lb. .14½- .15
jobbing lots.....lb. .15½- .16
160° m.p., bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16½- .17
Japan, cs.....lb. .30 - .31
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, refined, bgs.....lb. .58 - .59
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, com'l., dry-grd., pap. bgs., c.l., works, ton.18.00 -22.00
l.c.l., works.....ton.20.00 -24.00
wet-grd. blp. bgs., c.l., works..ton.21.00 -25.00
l.c.l., works.....ton.22.00 -27.00
gilders, bolted, pap. bgs., c.l., works..ton.20.00 -24.00
l.c.l., works.....ton.21.00 -24.00
extra bolted, pap. bgs., c.l., works..ton.22.00 -26.00
l.c.l., works.....ton.23.00 -27.00
Whiting, chalk, Paris white, pap. bgs., c.l., works..ton.24.00 -28.00
l.c.l., works.....ton.25.00 -29.00
Limestone, air-floated, 99¾%, 250 mesh, pap. bgs., c.l., works..ton.10.10 - —
200 mesh, pap. bgs., c.l., works..ton. 9.50 - —
90%, 200 mesh, pap. bgs., c.l., works..ton. 7.00 - —
gilders, pap. bgs., c.l., works..ton.11.50 -13.00
l.c.l., works.....ton.12.50 -16.00
putty grade, water-floated. bgs., c.l., works..ton.12.00 -13.00
l.c.l., works.....ton.13.00 -16.00
Whiting, limestone, precipitated, bgs., c.l., works..ton.14.00 -15.00
l.c.l., works.....ton.18.00 -25.00
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .48 - .50

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works..gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
3°, dms., returnable, works..gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.80 - 1.85
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .53
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .20 Nom.
Cadmium, CP, import, bxs. lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .55 - —
smaller lots, same basis.lb. .60 - —
pkgs., ton lots, same basis, lb. .60 - —
smaller lots, same basis.lb. .65 - —
lb. .65 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —
Chrome yellow, CP prices are dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, Amer., golden bbls., works..lb. .04½- .06¼
yellow, bbls., works....lb. .02 - .02¼
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0305- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)...lb. .02¾ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02375 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03⅝ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03⅜ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y...lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works....lb. .06¾- —
l.c.l., same basis.....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .15 - .20
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .10 - .11
Yohimbine hydrochloride, viz..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc,[1,3,5] Metal (see paint market).
acetate, tech., bbls., dlvd...lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —

Titanium Diox.—Zirconium

Zinc, arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., dms., works.100 lbs. 6.50 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Cyanide, kgs., works.....lb. .33 - .37
Dust, bbls., c.l., dlvd.....lb. .10½- —
l.c.l., bbls.....lb. .11½- —
Iodide, N. F., bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd.....lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd.....lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd.....lb. .06¾- —
35%, bgs., c.l., dlvd...lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd....lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
50%, bgs., c.l., dlvd...lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd....lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd..lb. .07 - —
green seal, bgs., c.l., dlvd. lb. .08¼- —
l.c.l., dlvd.....lb. .08½- —
bbls., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
red seal, bgs., c.l., dlvd. lb. .07¾- —
l.c.l., dlvd.....lb. .08 - —
bbls., c.l., dlvd.lb. .08 - —
l.c.l., dlvd.....lb. .08¼- —
white seal, bgs., c.l., dlvd. lb. .08¾- —
l.c.l., dlvd.....lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse. lb. No prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 - —

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 30% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls....lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., one ton..lb. .27 - —
smaller lots.....lb. .28 - —
USP, bbls.....lb. .30 - .31
Sulphate, cryst., bgs., c.l., 100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.40 - —
flake, bgs., c.l.....100 lbs. 3.80 - —
l.c.l. .....100 lbs. 4.55 - —
bbls., c.l.....100 lbs. 4.05 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 3.35 - —
100 lbs. 3.35 - —
l.c.l. .....100 lbs. 6.10 - —
bbls., c.l.....100 lbs. 3.60 - —
l.c.l. .....100 lbs. 6.35 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd.....lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd.....lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Calcium pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
magnesium pigment, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .05¾- —

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac. Cst.

Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins

and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the October 6 issue; the next printing will be in the November 3 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 37.

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Alcohol for Defense

Maybe the well-known physiological effects of alcohol are to blame, although science does not yet recognize the potency of the spirits when indulgence therein is merely verbal. Otherwise it is difficult to understand why the congressional endeavors from time to time variously to legislate with respect to alcohol bring forth such stumbling or befuddled bills. Of course, it cannot be that there is more of intent in these bills than appears explicitly in their titles or phraseology!

The recent endeavor to provide a revenue tax differential in favor of alcohol used for food or drug purposes was suspiciously worded. The more recent bill (H.R. 5811), purported to be designed to afford a more nearly adequate supply of alcohol for defense uses, also gives rise to suspicions that the tested and proved and necessary distinction between production—and maybe use—of industrial alcohol and alcoholic beverages does not suit some interests and therefore should be, if not actually revised or eliminated, so ratholed that it would not bother.

Legislators do not like simple procedures and usually must be converted. There has already been a substantial demand from manufacturing users of industrial alcohol that H.R. 5811 be discarded for a measure clearly phrased for the simple, direct purpose of revising the internal revenue code (section 2888) so as to permit withdrawal of alcohol from registered distilleries by appropriate governmental agencies taxfree for defense uses, in the same manner as the section now permits withdrawal for export.

A bill (H.R. 5852) embodying these manufacturers' suggestions has been introduced in Congress. The method of this latter measure should be endorsed by all industrial and scientific organizations interested in alcohol as an industrial material and cognizant, as all should be, of the desirability of preventing sapping of the taxfree industrial alcohol system. This system operates satisfactorily. It can be and should be flexed to meet the exigent needs of national defense. There is no reason in any need that it be broken down.

Something to Grow On

Expansion of regular business—"increased production and selling of non-defense goods, backed by advertising and promotion," is the way the president of the National Association of Manufacturers phrases it—is unquestionably the best antidote for and prophylactic against the edema of inflation and the anemia of taxation. It is as easy as it is popular to prescribe this; but there will be much difficulty in getting the prescription filled. The pharmacist in this instance must be the research man with new ideas or the digger into forgotten lore.

Increased business activity in normal lines is highly necessary. This can be business as usual in method; but it calls for the unusual in materials. The rub is to get materials for mere existence—to say nothing of expansion. And it may be absolutely necessary to sell entirely new sorts of goods because of impossibility of making those now sold out of such materials as will be available.

Business cannot wisely expand until it has found something to grow on. There is no substance in watered stock or "wind pudding." Conservation of existing materials, discovery of new materials, utilization of a thousand wastes—all are necessary; all call for new ideas. There are materials everywhere which nobody yet has learned how to utilize profitably. To bring these things to good use calls for more than scientific theories, more than technical processes: it demands a measure of change in fundamental economic ideals. Change in purpose is imperative. Change in pace is inevitable.

—O-P-D—

Argentine Tariff Bargain

In spite of the natural division of opinions on the effects of the new tariff bargain with Argentina on agriculture in the United States, it must be admitted that the agreement works a notable forward step in the diplomacy of this country. Much of the acclaim of this achievement must be set aside because it is more than doubtful that the bargain could have been made except under the exigencies of war-made world economic conditions. But, there is still enough to deserve praise. And there is plenty in which some good and necessary work for business can be done.

Much of the condemnation of the Argentine tariff bargain by and for agriculture looks to the conditions which the pact is expected to create when the exigencies of war have ended. This recognizes the need for and the wisdom now of giving a little for the good of others who are hard pressed to exist. It adheres, however, to the pet theory that agriculture and other industries — and those who labor therein—must be taken care of, whatever the cost to the economic welfare of the people as a whole.

It is rather optimistic to expect that the economic exigencies of the present war will have been terminated within the three years for which the tariff bargain with Argentina has been made. It is quite naive to believe that when the stress of war has passed, the United States will not soon be outbargained for the Argentine markets by that country's former customers in Europe who, always needing, will again be able to get Argentine agricultural products.

Insofar as now appears, neither agriculture nor other industry in the United States need be fearful of the effects of current competition of goods coming from Argentina under the impetus of the lowered import duties. It is most likely that those who sell these goods in Argentina and those who distribute them in the markets of the United States will pocket the extra profits, because there is no reason to reduce prices in these times. The net result of the bargaining in this country, therefore, will be less revenue for the government—and nothing else.

The fact that it took a decade to make a tariff bargain with Argentina is most significant in respect of the effects of this pact in both directions. The further fact that the benefits of this hard-won bargain —for the United States has been beneficent—are open to all but a few of the countries of the world is also of significance. The war constrains the scope of the benefactions, but it is to be expected that Canada will be within their bounds: by the time the war admits others, the pact will have passed into history. Meanwhile, perhaps the United States can reap some benefits in the way of getting materials and markets which will help to keep consumer-goods industries going. Such benefits may be reaped; so may others in export trade. But, reaping is work; and it calls for some skill.

—O-P-D—

Saving Paper

Defense activities are reported to consume 30 percent of the nation's available paper supply. Some part of this consumption—not so reported—is wasteful: every businessman with but the slightest contact with defense procedures sees evidence of this every day. But, the wasteful, unnecessary use of paper is not confined to defense contract blanks or defense publicity, or to anything in which the government has a part—not even the padding of the *Congressional Record*.

Paper is wasted everywhere: in use and after using. And there are many ways of saving it which are more promising and less bothersome than writing letters or printing handouts on both sides of a sheet. The packaging field is the biggest waster of paper. If the idea that three wrappers should be where one is ample were to go out of style—its chief reason for existence is that it is the thing to do—all the paper needed for defense would be saved in one swoop—if the big publicity boosters for WPA's part in defense and many of its writings were discontinued.

WPA "workers" could find much more useful employment in jeeping about the country, raking up leaves, bundling weeds, and collecting other widespread sources of cellulose and carting these to a central plant where a simple cellulosic wrapper could be made by a combination process of cooking weeds and the like into a jelly and blowing it, a la glass, into sheets. The latter phase of the work would make good use for much of the wind of the letting off of steam and tooting of trumpets which are prevalent in all the alphabetical groups of "Hue Pealers."

There is doubt whether paper actually is scarce. But, there is a big opportunity in commandeering all waste paper for making cellulosic explosives. Apparently it is not good manners to ask why defense needs should not be adapted to substitutions of materials. But, where the government can command what private enterprise only can want, the former should do its part.

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Heavy Chemicals

Slight Advance Made in Soda Ash Burlap Bag Prices for 1942 —One Producer Announces No Change in Caustic Soda Prices —Potash Carbonate and Caustic Prices to Be Extended

Announcements covering alkali contract prices for 1942 provided the feature to the heavy chemical market last week. One leading producer, effective October 15, was writing contracts for soda ash and caustic soda. The only adjustment occurred in carload and less carload schedules for soda ash where a slight advance was made necessary in burlap bag packings to take care of the increased costs. Sellers were now engaged in formulating contract price schedules for 1942 deliveries in a number of other products and announcements were expected to be made shortly. Prices were extended into 1942 for white sal ammoniac, soda nitrite, potash carbonate and caustic. Business continued active as defense orders reached the market in steady volume.

The OPM placed carbon tetrachloride, perchloretheylene, trichlorethylene and ethylene dichloride under rigid priority control. Action was taken upon advices from the Department of Agriculture that the nation's food supply was facing serious threat as a result of shortage of certain chemicals used by farmers and food warehouses for fumigation purposes. A priority A-10 rating is assigned to all defense orders, and after making provision for deliveries to fill defense needs, a producer is required to set aside for an emergency pool five percent of each chlorinated hydrocarbon solvent produced each month in excess of requirements for defense during that month. A "ladder of uses" has been set up with respect to the supply of these chemicals after defense requirements have been met.

Paper production, as a percentage of six-day capacity, was 102.8 in week ended October 11, according to the American Paper and Pulp Association. This compares with 106.7 percent in the previous week and 86.2 percent a year ago.

Alums.—Brisk inquiry, shipments steady against contracts. Prices rule firm.

Alumina Sulphate.—Demand active, market position displays firmness.

Ammonia, Anhydrous. — Defense needs broader, and market in tight position. Prices firm.

Ammonia Bicarbonate.—Market firm. Routine inquiry.

Ammonia Bifluoride. — Spot stocks scarce. Firmness characterized market.

Ammonia Nitrate. — Substantial quantities taken for direct defense. Quotations held firm.

Ammonia Persulphate.—Withdrawals steady, while prices were well sustained.

Ammonia Phosphate. — Offerings usually limited. Prices unchanged and firm.

Ammonia Silicofluoride. — Material scarce. Price nominal.

Ammoniac, Sal.—One producer writing 1942 contracts for the white at unchanged levels. Business continues steady.

Antimony Oxide.—Selling limited to regular channels for normal needs. Prices were firm.

Antimony Needle.—Quotations remain firm, while offerings were fairly well absorbed.

Arsenic.—Sellers were not accepting any new business and market retained its firmness.

Barium Carbonate.—Quotations held firm, while inquiries were active.

Barium Chloride.—Market tight, and offerings restricted. Prices firm.

Barium Dioxide.—Defense needs a direct factor in limiting supplies. Prices without change.

Barium Nitrate. — Offerings well taken, and market was firm.

Bleaching Powder.—Shipments confined to regular contracts. Pricewise a firm tone prevailed.

Calcium Acetate.—Supplies remain scarce. Quotations without alteration.

Calcium Carbide.—Active demand. No change disclosed in the quotations.

Calcium Chloride. — Shipments moved at a good pace to keep market firm.

Carbon Bisulphide.—Brisk inquiry. Pricewise a firm tone predominated.

Price Changes

Advanced

Soda ash, burlap bags, 5c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
168.3	168.3	168.3	155.9

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
109.0	109.0	109.0	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Aqua Ammonia

The situation in ammonia was expected to tighten more before any improvement takes place. The completion of additional munition facilities by the government will require larger quantities of anhydrous ammonia. While new ammonia plants are under construction, so far erection has been behind the munition units. Consequently, existing production will be carrying the burden for the present. The larger output of anhydrous, however, will be absorbed directly for defense purposes, and little will be available for production of aqua ammonia.

Since aqua ammonia is the basic material for a number of chemical compounds, the supplies will have an important bearing on several derivatives. The latest census figures disclosed that production in 1939 amounted to 31,305,077 pounds, compared with 26,000,866 pounds in the 1937 comparable period.

While an export license is required for ammonia and all compounds, exports of aqua ammonia have been negligible. Shipments have been confined to the anhydrous because of the large amount of water contained in the aqua ammonia.

An advance of ¼c. per pound occurred since the outbreak of the war in the prices making carboys 5¼c. per pound; drums, car lots, 2¼c., and less car lots, 2½c. per pound. No change took place in the f.o.b. tank quotation.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

National Pest Corn Control Ass'n, San Francisco, Oct. 27-29.

Carbon Tetrachloride. — OPM invokes rigid priority control, after making provision for defense orders, producers required to set aside 5 percent for an emergency pool. Defense orders carry A-10 rating and a ladder of uses set up for supplies to others after defense requirements have been met.

Chlorine.—Broad defense requirements limited supplies for civilian uses, and business was strictly allocated after defense needs were met. Prices rule firm.

Cobalt Oxide.—Offerings on prorated basis. No change occurred in the prices.

Copper.—October requirements for defense and other critical uses estimated to reach 145,000 tons with visible supplies at least 6,000 tons short of needed total. Stricter control for civilian use expected to be issued by the OPM.

Copper Salts.—Tight situation reflected in output of various derivatives. Shipments usually prorated. Prices rule firm.

Copper Sulphate.—Active inquiry, sellers well booked ahead. Amendment to copper scrap price schedule issued by OPA contains provision allowing dealers an unstated premium above the ceiling for copper specially prepared for use by chemical manufacturers who produce copper sulphate. Premium will be determined by the OPA on the basis of each individual case.

Ethylene Dichloride. — Material placed under strict priority control. Emergency pool of 5 percent to be set aside. Defense orders receive A-10 rating, and ladder of uses set up for other consumers.

Fluorspar.—Brisk inquiry. Market in a firm position.

Lead Acetate.—Situation remains tight. Prices lacked change.

Lime.—Shipments steady. A firm price tone predominated.

Magnesite. — Defense requirements factor in limiting supplies. Prices firm.

Manganese Dioxide. — Movement steady against contracts. Prices rule firm.

Nickel Salts.—Strict rationing adhered to. Prices nominal.

Phosphorus.—Offerings limited because of defense requirements. Prices without change.

Potash, Carbonate.—Leading producer extending contract prices for 1942. Market position remains tight.

Potash, Caustic.—One factor writing contracts for 1942 at current levels. Demand continued steady from all directions.

Potash Chlorate.—Output confined to regular consuming channels. Prices display firmness.

Potash Permanganate. — Defense needs absorb most of the offerings. Prices failed to change.

Saltcake.—Market firm. Active inquiry.

Saltpeter.—Shipments moved steadily, with prices firm.

Soda Acetate. — Market tight, and quotations held at previous levels.

Soda Ash.—A prominent producer, effective October 15, announces contracts will be written for 1942 at current levels, with the exception of a 5c. advance in car lot and less car lot prices for burlap bag packings in various grades to cover higher container cost.

Soda Bicarbonate.—Demand steady. Prices underwent no change.

Soda Bifluoride. — Market in tight position, and prices were firm.

Soda Bisulphite.—Business held to usual consuming channels.

Soda, Caustic.—A leading factor announces, effective October 15, 1942 contracts will be written for all grades at the levels now in effect. Demand active.

Soda Fluoride. — Supplies remain scarce. Prices were firm.

Soda Hydrosulphide. — Despite higher raw material costs, prices held the same. Demand steady.

Soda Nitrite. — One manufacturer writing 1942 contracts at unchanged levels. Inquiries steady.

Soda Phosphate.—Business usually allocated among regular trade. Prices were the same.

Soda Silicate.—Transactions held at good levels to keep market firm.

—*Continued on* 30

E.K. Bolton Awarded S.C.I. Medal

—*Continued from page* 5

Chemical Engineers November 7. The medal is awarded for valuable application of a chemical research to industry. The meeting will be held at 8 p.m. at the Chemists' Club, this city.

Dr. C. M. A. Stine, vice-president of E. I. du Pont & Co., will speak on the personal side of the medallist's life, and Prof. Rogers Adams, of the University of Illinois, will speak on the technical accomplishments of the medallist. The medal will be presented by Dr. Wallace P. Cohoe, former chairman of the American Section, and following the presentation Dr. Bolton will give an address on "The Development of Nylon."

N.P.V.L.A. Asked to Setup Southwestern Zone

Dallas, Tex., Oct. 14, 1941

At a group meeting of paint, varnish and lacquer manufacturers of the Southwestern States held in Dallas, today, a petition was presented to Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, requesting the formation of a Southwestern zone of the national association. The meeting was addressed by President Trigg, George H. Priest, jr., priorities consultant, and Laurence Kiefer, secretary, national trade sales committee, from association headquarters.

Chlorinated Solvents Under Rigid Control

—*Continued from page* 5

is required, by the terms of the order, to set aside for an emergency pool 5 percent of each chlorinated hydrocarbon solvent produced by him each month, or 20 percent of the quantities, in excess of requirements for defense orders, manufactured during the month, whichever amount is smaller.

Uses for which the rating of B-2 is assigned include charging of fire extinguishers; grain fumigation; the manufacture of refrigerants; the processing and manufacturing of food, chemicals, rubber and petroleum, where substitution of other materials is impractical, and for certain other listed uses.

The preference rating of B-8 is assigned to a group of other civilian uses, including dry-cleaning; and fumigation, other than grain fumigation. The provisions of Priorities Regulation No. 1, including inventory restrictions, are applicable to the order.

General Aniline Stockholders Suit Set for December 10

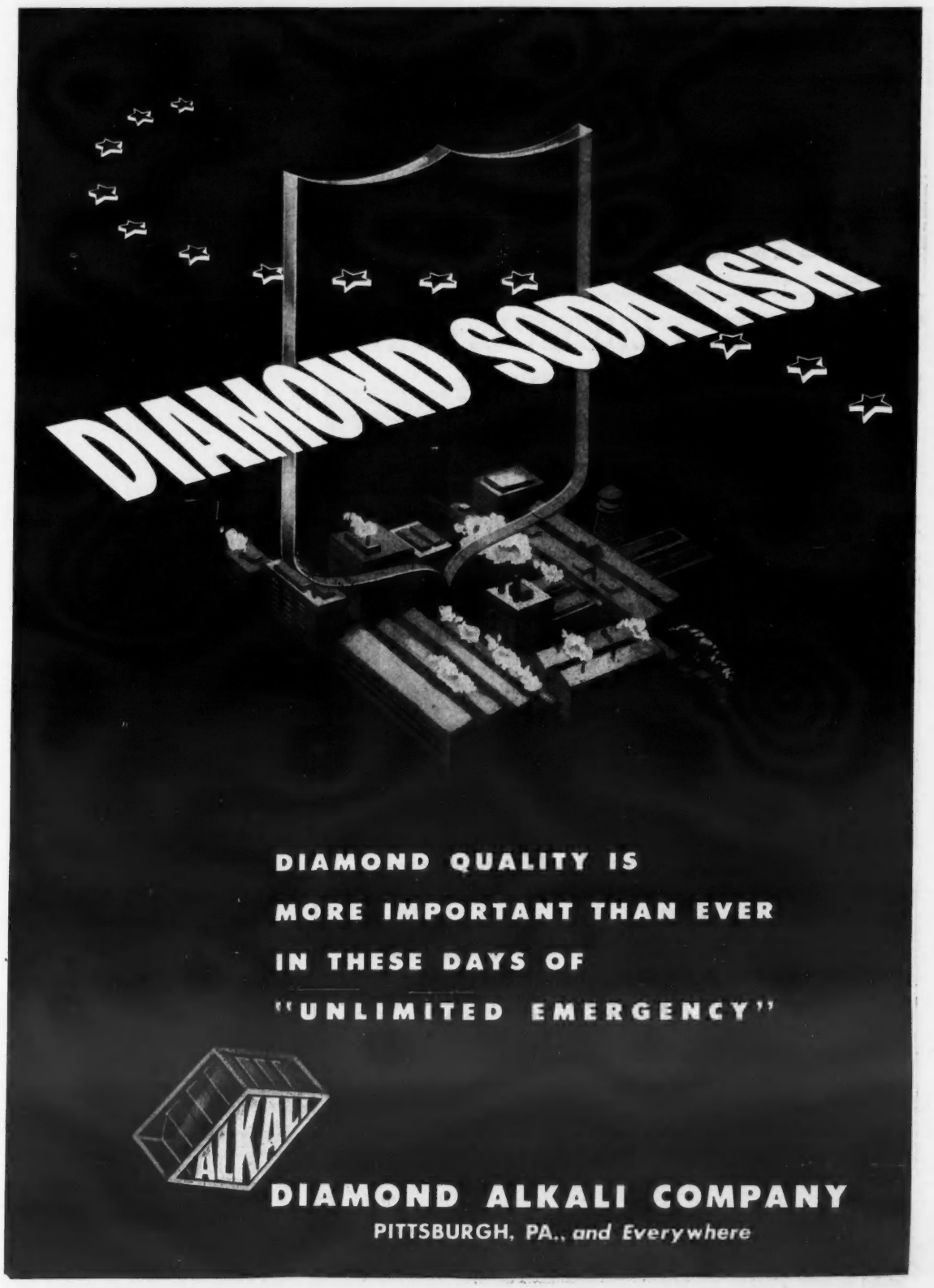
Wilmington Oct. 14, 1941

A continuance until December 10 of a hearing of a stockholder's petition seeking the election of a board of directors for the General Aniline & Film Corporation was granted today by Chancellor W. H. Harrington.

The stockholder, Ernest W. Flender, this city, had asked the chancery court to appoint a master to call a meeting of shareholders for the election.

Steel Barrel Output Up

Production of steel barrels and drums of heavy types for August, 1941, amounted to 1,589,848, as compared with 1,557,618 for July, 1941, 958,120 for August, 1940, and 851,087 for August, 1939, according to statistics released by the Bureau of the Census. Shipments totaled 1,600,156, compared with 963,600 in August last year and 1,549,290 in a month ago. Output of light types reached 1,496,955 in August, compared with 1,316,656 in July and 435,616 in August, 1940.



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Heavy Chemicals

—Continued from page 29

Soda Silicofluoride.—Only occasional spot offerings obtainable. Prices nominal.

Soda Sulphide.—Situation continued tight. Prices were unchanged and firm.

Sulphur, Refined.—Commercial demand well sustained. Prices held firm.

Trichlorethylene. — Scarcity prompted OPM to place material under rigid priority control giving preference A-10 ratings to all defense orders and setting up a ladder of uses with respect to the supply after defense needs were met. After defense needs producers ordered to set aside 5 percent for an emergency pool.

Tin Salts. — Business on restricted basis, and prices stabilized at current levels.

Zinc Chloride.—Recent advance in basic metal had no immediate reflection on prices. Shipments steady against contracts.

Acids

A tightening in supplies continued to characterize the market for acids last week. A shortage of some basic acids continued as defense buying directly and indirectly took large quantities. Acetic, acetic anhydride, chromic, formic, oxalic and phosphoric acids remained in short supply. Heavy inquiries prevailed for mixed, naphthenic, muriatic, nitric and sulphuric acids. Prices underwent no revision, and the general tone was firm.

Acetic.—Market position remains tight. Prices firm at ceiling levels.

Acetic Anhydride.—Material scarce. Prices held firm.

Battery.—Shipments steady. Prices were the same.

Chlorosulphonic. — Defense buying taking most of the output. Prices unchanged.

Chromic. — Selling usually limited. Prices were firm.

Formic.—Supplies tight. Prices unchanged and tone firm.

Gallic.—Quotations rule firm. Shipments moderate.

Hydrofluoric.—Demand steady. Quotations firm.

Lactic.—Good interest. No change in the prices.

Mixed.—Active inquiry. Pricewise a firm tone predominated.

Muriatic. — Heavy demand. No change disclosed in the prices.

Naphthenic.—Output well absorbed. Prices firm.

Nitric. — Brisk movement. Prices display firmness.

Oxalic. — Offerings remain limited. Quotations firm.

Phosphoric. — Tightness characterized market, while prices held firm.

Sulphuric.—Shipments moved at an active pace against contracts. Prices unchanged and firm. Production by fertilizer manufacturers in August totaled 212,506 tons, against 202,597 in July and 194,664 in August, 1940. Consumption was 163,103 tons, compared with 175,186 for July and 153,215 for August, 1940.

Baltimore, October 15.—The market for sulphuric acid occupies a position that is not easy to project. While it has been contended in some quarters that rising costs of production have at last prompted a mark up of quotations, and that 60 degree acid is now held at $14 per ton and 66 degree acid at $17 per ton, sellers are still said to be supplying this product under contract at the previous nominal figures of $12 and $15 per ton. Acid-making plants are being operated at capacity, and one big addition is going up to be completed and get into production about February 1 next year. Altogether, the acid situation appears to be much confused market-wise. Oleum seems to be in a somewhat similar position, with the normal price at $17 per ton before the talk of an advance to $19, but with the situation also mixed.

Insecticides

Inquiries were light in the market for agricultural insecticides and fungicides last week. Seasonal conditions limited demand for most materials here, although preparations were going ahead earlier than usual for next year. Many consumers, prompted by the difficulty in obtaining material later, were anxious to place commitments ahead of time to assure delivery. The market was devoid of any new price developments, and the general tone was firm.

Calcium Arsenate. — New business light. Prices rule the same.

Lead Arsenate.—Seasonal conditions limited the call. Prices unchanged.

Resale Market

Few concessions occurred in the prices for heavy chemicals in the resale market last week. The absence of any sizable offerings kept prices high, and in a few cases quotations were firmer than the preceding period.

Bleaching powder was hard to find in any worth while quantities and prices ranged from 8c. to 10c. per pound. White arsenic continued at 10c. Ammonia bifluoride and silicofluoride were scarce at 20c. to 25c., respectively. Copper sulphate was slightly easier at 7c. per pound. Carbon tetrachloride ranged from 17c. to 18c., and trichlorethylene sold at 35c. per pound.

Most sodium compounds continued in short supply, and prices were slightly above previous week. Soda acetate, anhydrous, 12c. to 16c. per pound; flake, 9c.; soda ash, light, $2.50 per 100 pounds; soda bicarbonate, $2.75 to $3 per 100 pounds; soda bisulphite, 10c. to 13c. per pound; caustic soda, $4 to $4.25 per 100 pounds; soda chlorate, 35c. to 40c. per pound; soda fluoride, 30c. per pound; soda hydrosulphite, 33c. to 38c. per pound; soda phosphate, tribasic, $4.50 to $5.50 per 100 pounds; soda pyrophosphate, 12c. to 16c. per pound; soda silicofluoride, 22c. per pound; soda sulphide, 9½c. to 11c. per pound.

Potash salts were firmer. Potash carbonate was from 10c. to 13c. per pound; potash caustic, 9c. to 10c. per pound; potash chlorate, 43c. to 50c. per pound; potash metabisulphite, 40c. to 45c. per pound, and potash permanganate, $1.50 per pound.

Chemical Salesmen's Meeting Attendance Reservations Swell

Approximately eighty-five reservations have thus far been received for the dinner preceding the annual meeting of the Salesmen's Association of the American Chemical Industry, to be held in the Chemists' Club, this city, October 21. Dinner will be served at the expenses of the association, starting at 6:15 p.m. Reservations are in charge of Jack Butler of the Industrial Chemical Sales Division of the West Virginia Pulp & Paper Company, 230 Park avenue.

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Trade Restraints And Business

—Continued from page 3

many champions, recognized the fact that the trusts had gained their position of power and dominance by the use of unfair practices which destroyed or emasculated their weaker competitors. It was therefore contended that unfair competitive practices should be condemned in all-embracing definition and machinery set up whereby such practices could be detected, defined, and quelled in their incipiency, thus stopping the growth of monopolistic structures in their formative period. In its essence this philosophy called for prevention instead of punition.

Attack on Unfairness

Except for certain specific prohibitions contained in the Clayton act, which I do not intend to discuss, the protagonists of the philosophy just mentioned prevailed and the result was the Federal Trade Commission act, which became law in September, 1914. By it the commission was created and vested with certain powers and duties. The main purpose of the act lies in section 5, under or in connection with which the great majority of the commission's activities proceed. That section makes illegal, unfair methods of competition in interstate commerce and by amendment passed in 1938 unfair or deceptive acts or practices and empowers and directs the commission to prevent their use. The process provided for the accomplishment of this purpose is closely analagous to court proceedings in civil cases. If the commission proceeds formally—and it never does so except after a thorough investigation—it issues a complaint clearly setting out the practice which it deems to be unlawful. The right of the person complained against to answer and present his side of the case is fully protected and if the commission decides against him, it neither can, nor does, do more than order him to cease the practice. Thus, by the provisions of this section the commission is constituted a quasi-judicial body whose function is to correct and prevent and not to punish.

As originally enacted there was no provision for penalties for violation of a final order except a proceeding in contempt after the affirmance or modification of the commission's order by the court. Such a provision, however, was added in the amendment of 1938, before referred to, which further provided that an order should not become final until after the person complained against had appealed to the courts, if he so desired. Penalties were essential in order that the public and honest business might be protected and the commission's orders given real force. The necessity for such a provision is manifest when it is considered that man's natural acquisitive instinct frequently begets rapacity and we always have had and always will have with us those relatively few who, motivated solely by self interest, will overreach their competitors and the public without scruple and will flout the law until they feel the sting of punishment. Others, who have been proceeded against by the commission and have become subject to a final order, have no punishment to fear because they usually abide by the order, which is but another way of saying that they will respect the law.

At this point I woud like to place before you the conception of one of our ablest jurists, Mr. Justice Brandeis, regarding the functions of the commission. I quote, in part, from his opinion in one of the commission's cases before the supreme court:—

> In undertaking to regulate competition through the Trade Commission, Congress departed in two important respects from the methods and measures heretofore applied in dealing with trusts and restraints of trade. Instead of attempting to inflict punishment for having done prohibited acts, instead of enjoining the continuance of prohibited combinations and compelling disintegration of those formed in violation of law, it undertook to preserve competition through supervisory action of the commission. The potency of the accomplished facts had already been demonstrated. The task of the commission was to protect competitive business from further inroads by monopoly. If it discovered that any business concern had used any practice which would be likely to result in public injury—because in its nature it would tend to aid or develop into a restraint of trade—the commission was directed to intervene before any act should be done or condition arise violative of the antitrust act. And it should do this by filing a complaint with a view to a thorough investigation and if need be, the issue of an order. Its action was to be prophylactic. The purpose in respect to restraints of trade was prevention of diseased business conditions, not cure.

Methods That Are Unfair

Practices which the commission has found to be unfair methods of competition, or deceptive acts or practices, or both, fall into two broad categories:—

First, practices that may be called direct restraints of trade. These are agreements, cooperative action or conspiracies in which manufacturers or dealers, or both, cooperate to monopolize to themselves a given line of commerce or to fix prices or price levels therein and to maintain or stabilize same by various practices effective to that end. If the plan involves an agreement to fix prices it is unlawful. The power to fix prices, whether reasonably exercised or not, involves power to control the market, and this is considered of itself an unreasonable or unlawful restraint without the necessity of proving that the prices so fixed are unreasonable.

The legal status of plans or schemes in restraint of trade which do not involve price-fixing depends upon the showing made as to the many elements that establish the reasonableness or unreasonableness of the restraints involved. The courts have repeatedly held that there are many cooperative efforts or trade combinations that affect competition but do not violate the law. These may be classified broadly as reasonable restraints designed to prevent trade abuses. In this connection, however, the test of reasonableness must not be predicated upon the extent to which trade abuses are corrected. If the means used are unlawful, no showing, however strong, as to the correction of trade abuses or even benefits to the consumer will remove the stigma of illegality from the entire plan.

In a recent commission case which was taken to the supreme court the respondent contended that its plan could not properly be considered in violation of law, since it did not fix or regulate prices, parcel out or limit production, or bring about a deterioration in quality of merchandise. The court was quick to point out that acts falling within these three categories did not exhaust the types of conduct banned by the antitrust laws. It referred to the commission's finding that the combination exercised sufficient control and power to exclude from the industry manufacturers and distributors who did not conform to the rules and regulations and that this tended to create in the respondent a monopoly. The court concluded that the purpose and object of the combination, its potential power, the tendency to monopoly, the coercion it could and did practice upon a rival method of competition, all brought it within the scope of the prohibitions of the antitrust laws.

The other category of practices condemned by the commission, and its name is legion, consists of fraud, misrepresentation and deception whereby goods offered to the public are held out as being of a kind, character, quality or value which they do not possess, that they will function in certain ways when they cannot do so, or that they come from or are offered by a certain source, when such is not the fact. In one way or another these appeal to a public preference and are thus false inducements to purchase. Since these practices divert trade from honest competitors, they are, as to them, unfair methods of competition.

But in addition to their baneful effects upon honest competition, practices in this category have, obviously, and regardless of their competitive effect a highly deleterious effect upon the public at large. The millions who frequent the retail counter must, of necessity, put a large degree of trust and confidence in the dealer and accept his word regarding many of the characteristics of the goods which he offers. In recognition of the undoubted right of the general public to protection in this respect, the Congress, in the amendment to the act of 1938, before referred to, extended the scope of section 5 so as to cover unfair or deceptive acts or practices as well as unfair methods of competition in commerce. The commission's powers and duties were thus defined in a way to remove any doubt that the consumer who may be injured by such an act or practice has an equal standing before the commission with the merchant whose business may have been injured by an-fair competitive method of a dishonest competitor.

In this connection let me say that the advertiser now must present his story without deceptive concealment and one of the standards by which the quality of advertising will be judged is the extent to which it provides the consumer with information so that he may act intelligently when making a purchase. In other words, the acquisitive instinct of the purchaser can no longer be exploited by false or fraudulent representations in the appeal of the advertiser.

The value of consistency in advertising is a demonstrable fact and it has been well stated that "Advertising, like production and distribution, must be continuous in order to develop maximum effectiveness." Consumer acceptance at times is a transitory state of mind, and neglect of advertising, even though we are experiencing a seller's market, may weaken or destroy that most valuable of all business assets—good-will.

The commission, however, has by no means always proceeded formally in correcting abuses. Following its desire to cooperate it has established the

—Continued on page 63

BORAX — TECHNICAL GRADE
Powder and Fine Granular
SODIUM SESQUICARBONATE
Unrefined
Pacific Crystals
Laundry Soda
SODA ASH
Light and Dense
PACIFIC ALKALI COMPANY
523 W. 6th Street, Los Angeles, Calif.

Manufacturers of
COPPER OXIDES
ROBERT A. COUPE, 260 Rhode Island Ave., Pawtucket, R.I.
Telephone PErry 2354

CHEMICALS FOR EXPORT
INQUIRIES INVITED
INTERNATIONAL SELLING CORP. 67 Broad Street NEW YORK

A NEW PRODUCT!
NICHOLS
Triangle Brand
SUPER-FINE CRYSTAL COPPER SULPHATE
99% + Pure!
Not just another screened product, but an entirely new type copper sulphate made by a new process. Crystals are formed in vacuum, assuring thorough uniformity. Having about the consistency of coarse salt, all crystals are one size. Nichols Triangle Brand Super-Fine Copper Sulphate has excellent solubility, remains free flowing, will not cake in packages. Packed in latest type bags, 100 lbs. net. There is no premium in price for this new Triangle Brand Super-Fine crystal!
Nichols Triangle Brand Copper Sulphate is also obtainable in the following grades:
LARGE CRYSTALS, SMALL CRYSTALS, "INSTANT," AND MONOHYDRATED (Full 35% Metallic Copper Content).
COPPER OXIDE (Red) • NICKEL SULPHATE
MADE BY
PHELPS DODGE REFINING CORPORATION
Refiners of Electrolytic Copper
Offices: 40 Wall St., New York, N.Y. • 230 N. Michigan Ave., Chicago, Ill.

TO KIMBERLY FOR DIAMONDS

TO BARRETT FOR COAL-TAR CHEMICALS

PHENOL
CRESOLS
CRESYLIC ACIDS
XYLENOLS
TAR ACID OILS
NAPHTHALENE
(Industrial and household)
PHTHALIC ANHYDRIDE
CUMAR*
(Paracoumarone-Indene Resin)
RUBBER COMPOUNDING MATERIALS
COAL-TAR BASES
(Pyridine, Quinoline, Picolines, etc.)
PICKLING INHIBITORS
BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH SOLVENT
FLOTATION REAGENTS
ANHYDROUS AMMONIA
HYDROGENATED COAL-TAR CHEMICALS
Cyclohexane 98-100%
Methylcyclohexane 98-100%
Cyclohexanol 98-100%
Methylcyclohexanol 98-100%
Cyclohexanone 98-100%
Methylcyclohexanone 98-100%

THE BARRETT COMPANY
40 RECTOR STREET NEW YORK, N. Y.
ONE OF AMERICA'S GREAT BASIC BUSINESSES

SEND FOR THIS BOOKLET
This 36 page, pocket-size booklet lists the many important Barrett Chemicals, and provides a fingertip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

Barrett CHEMICALS

*Trademark Reg. U. S. Pat. Off.

Coaltar Chemicals

Basic Products Continue to Move in Large Volume for Defense —Anilin, Betanaphthol and Dimethylanilin in Short Supply —Broad Buying Movement Prevails in Most Coaltar Colors

Direct and indirect defense buying continued broad in the market for coaltar chemicals last week. Basic products, such as benzol, cresols, cresylic acid, phenol and toluol, moved in large volume for manufacture of resins, munitions and various chemical compounds that were essential to the national defense. This created a scarcity of material for non-defense purposes, and available supplies were allocated. Prices failed to change, and a very firm tone governed the transactions.

A large number of intermediates, such as anilin compounds, phenol and toluol derivatives, continued to feel the effects of insufficient raw materials to expand production as well as the direct demand for munitions. Anilin, betanaphthol, dimethylanilin, dinitrotoluene and monochlorobenzene were scarce.

A broad buying movement was underway in various coaltar colors. Withdrawal of certain raw materials for direct defense purposes, coupled with the heavy defense and civilian needs for dyestuffs, resulted in a tight situation. So far no serious shortages have occurred, however, obtaining necessary raw materials will play a dominant part in future production of many colors.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.5	128.5	127.7	127.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand active, and market displayed a firm price tone.

Carbazole.—Shipments moved steadily. Prices underwent no alteration.

Coaltar.—Transactions of crude and refined routine. Prices were the same.

Creosote Oil.—Major consumers displayed good interest. Pricewise a firm tone prevailed. July imports only 39,.029 pounds, all from Canada.

Cresols.—Heavy demand, with sellers well booked ahead. Prices rule firm. July imports 30,661 pounds, all from the United Kingdom.

Cresylic Acid.—Domestic acids continued in short supply, with business allocated. Spot stocks of imported small. Prices firm. July imports 146,-437 gallons, of which 141,787 came from the United Kingdom.

Naphthalene.—Crude moved at a brisk pace. Tight situation in refined. Prices firm. July imports 149,-936 pounds, of which 116,536 pounds came from the United Kingdom.

Phenol.—Defense needs continued to absorb large quantities directly and indirectly. Shipments allocated. Prices rule firm.

Salicylic Acid

An active demand and difficulty in obtaining raw materials were the principal factors in creating a scarcity in salicylic acid. Phenol and acetic anhydride important components have been in heavy demand for defense purposes, and this precluded any expansion in the production of salicylic acid. Some sellers were entirely booked ahead on contracts against current production, and were unable to accept any new business.

Indirectly salicylic acid finds its way into the defense program. It is used extensively in the processing of certain dyes, while it has a wide use as a preservative. During 1940 production of salicylic acid totaled 5,068,000 pounds and sales aggregated 3,075,135 pounds. No comparison was available for the 1939 year.

An export license is required for shipment of salicycle acid. Most of the production has been absorbed in this country. No accurate figures are available on this material, since it is not classified.

A firm price situation continued for the technical grade with producers adhering to the 33c. per pound level in effect for some time. Scattered offerings in the resale market for technical grade reached as high as 60c. per pound.

Pitch, Coaltar.—Inquiries steady. Prices underwent no alteration.

Pyridin.—A good demand remained in evidence, while prices displayed firmness.

Tar Acid Oils.—Tightness characterized the market, and offerings were limited. Prices firm.

Toluol.—Available supplies largely going to direct defense channels. Prices rule firm.

Xylol.—Supplies underwent little improvement, and offerings continued limited. Prices unchanged and firm.

Chicago.—Buying continued at steady levels. Benzol and other products were tightly held and generally strong market conditions continued to prevail in all grades of coaltar bases. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c. per gallon; toluol, 27c. per gallon; 10-degree xylol, 26c. per gallon; solvent naphtha, 26c. per gallon; creosote oil, grade 1, 13½c. to 14c. per gallon.

Coaltar Acids

Anthranilic.—Market position tight, and offerings restricted. Prices firm.

Benzoic.—Offerings limited. Prices retain their firmness.

Broenner's.—Usual consumers provided a steady inquiry. Quotations lack change.

Cleve's.—Shipments moderately active. Prices underwent no alteration.

Fumeric.—A good inquiry prevailed, while prices were firm.

Gamma. — Transactions moderate. No change disclosed in the prices.

H.—Dealings remain routine. Prices unchanged and firm.

Laurent's.—A routine replacement call remained in evidence.

Maleic.—Situation tight. Prices display firmness.

Malic. — Purchases moderate and steady. Prices rule firm.

Picramic.—Shipments moved satisfactorily against contracts.

Picric.—Defense needs expanded to keep market in soldup position. Prices firm.

Succinic.—Steady call. No change occurred in the prices.

Sulphanilic. — Tightness characterized the market. Prices were the same.

Tobias.—Offerings usually limited to regular channels for normal needs.

Other Intermediates

Alphanaphthol.—Shipments steady, supplies limited. Prices unchanged.

Anilin. — A shortage continued. Prices lacked change and tone firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Anthraquinone. — Buying steady with market in very firm position.

Benzaldehyde.—Shipments of technical remain steady and offerings usually limited.

Benzidine Base.—Good call, with market position strong.

Betanaphthol.—Market tight. Prices underwent no alteration.

Dimethylanilin. — Heavy inquiry, with supplies limited. Prices were firm.

Dinitrobenzene. — Sellers confined shipments to regular channels for normal needs.

Dinitronaphthalene. — Market position firm. Buying continued steady.

Dinitrophenol.—A strong price tone prevailed, while shipments were brisk.

Dinitrotoluene.—Defense needs take large part of output. Prices held firm.

Diphenyl. — Active demand. No change disclosed in the quotations.

G. Salt.—Dealings routine. Prices remain at previous levels.

Metanitroparatoluidin.—Market position firm, and selling restricted.

Monochlorobenzene. — Sellers were unable to take care of all inquiries. Prices firm.

Nitrobenzene. — Prices unchanged and firm. Shipments steady.

Orthoanisidin. — Market tight, offerings remain limited. Prices rule firm.

Orthochlorophenol. — Good inquiry, but supplies remain scarce. Prices held the same.

Orthocresol.—Brisk inquiry, with available supplies usually allocated. Prices lack change.

Orthodichlorobenzene. — Shipments moved steadily to regular channels, and market was in a sold up position.

Orthonitrotoluene. — Market position failed to improve, with offerings limited. Prices were the same.

Parachlorophenol. — Shipments brisk. Pricewise a firm tone predominated.

Paranitrophenol. — Market retained its firmness, while supplies were confined to regular channels.

Paranitrotoluene. — Raw material

—Continued on page 34

Pa. Salt Chlorate Plant Get Power Delivery

OPD Washington Bureau
October 16, 1941

Federally generated Columbia river power today flowed into another Northwest defense industry, the Pennsylvania Salt Manufacturing Company's plant at Portland, Oregon. Paul J. Raver, Bonneville Administrator, reported to Secretary of the Interior Ickes the initial delivery of power to the $1,000,000 chemical plant on a 50-acre site on the Willamette River downstream from Portland, began this morning. Administrator Raver said:—

The only other sodium chlorate plant in the United States is at Niagara Falls, and prior to the war it was necessary to import chlorates from Germany. Here is another step in making this nation independent of foreign countries in the essentials of defense. The plant, however, is also able to make other materials, including weed killers and commercial products necessary in agriculture and industry.

Dr. Zworykin Gets Rumford Award for New Microscope

Dr. Vladimir K. Zworykin, associate director of the Radio Corporation of America's laboratories, last week received the Rumford Award of the American Academy of Arts and Sciences for his development of the RCA electron microscope, an instrument permitting the magnification of infinitesimal particles up to 100,000 diameters.

Trans Atlantic Export Makes Hollwedel Chemical Manager

Charles N. Hollwedel has resigned as president of the American Quinine Company, this city, as well as severing his affiliation with the Kingston Chemical Company, this city, to become manager of the expanded chemical department of the Trans-Atlantic Export Corporation, this city. Mr. Hollwedel has been identified with the chemical industry since 1916, the year in which he joined the Grasselli Chemical Company, leaving in 1928 to join the Warner Chemical Company, and remained with that organization until 1936, when he was named New York branch manager for Joseph Turner & Co.

Chlorinated Solvents Plant Planned by duPont

E. I. du Pont de Nemours & Co. plans to construct a plant for the manufacture of chlorinated hydrocarbon solvents on a recently acquired 23-acre site at Wyandotte, Mich. Work will begin about November 1.

The plant, a unit of R. & H. chemicals department, is expected to be ready in the Summer of 1942. Production will supplement that of a du Pont plant at Niagara Falls, N. Y.

The site for the plant fronts on the Detroit river. Detroit Shipbuilding Company owned and used the site during the last war. Railroad lines of Wyandotte Terminal Company and Michigan Central Railroad will serve the plant.

Buckeye Ordnance Works To Produce Ammonia

OPD Washington Bureau
October 14, 1941

South Point, Ohio, has been selected by the War Department to be the site of an ammonia plant costing $2,000,000. The plant will be known as the Buckeye Ordnance Works and will manufacture anhydrous ammonia which is used by other plants in the making of explosives. The plant will be government-owned and agent operated.

U.S. Ammonia Plant For El Dorado, Ark.

OPD Washington Bureau
October 13, 1941

The War Department announced today the selection of El Dorado, Ark., as a general location for an anhydrous ammonia and ammonium nitrate plant to be known as the Ozark Ordnance Works. The War Department is negotiating for a company to operate the plant.

Ohio Oil Company has purchased the Independent Weber Oil Company, of Michigan.

Trade Briefs

Krause Manufacturing Company, Los Angeles, will erect an addition to its fertilizer plant.

American Smelting & Refining Corporation has resumed smelter operations at Murray, Utah, a unit closed down since July, 1941.

Davison Chemical Corporation, Baltimore, will erect an addition, 50 by 140 feet, to provide space for a packing room, storage and office.

John Paulding, of the model soda department, Solvay Sales Company, this city, married Miss Mary Williamson, of Chicago, at Westfield, N. J., October 4.

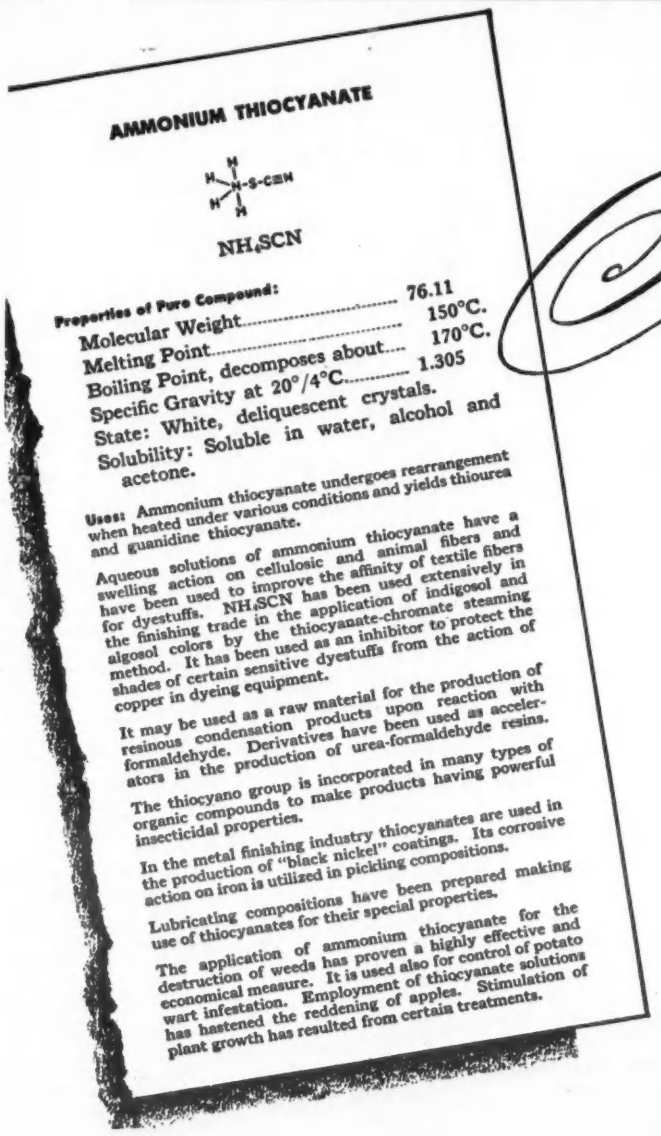
A. Brickman, who has been in the chemical importing business in Brazil for the past five years, left that country October 8 for a business trip to this city. While in New York he can be reached by telephone at WIndsor 8-7855, or by mail at 107 Webster avenue, Brooklyn.

Robert G. Perry, one of the founders of the National Sulphuric Acid Association (England) in 1919, and its only chairman, has resigned that position. Norman N. Holden, of Hardman & Holden, Ltd., Manchester, has been appointed to the chairmanship of the association.

Douglas W. Mackelcan is the football player in the white jersey, No. 26, shown in Isco's advertisement on page 26 of OPD for October 13. He is the son of H. Gordon Mackelcan, vice-president of Innis, Speiden & Co. The scene is the 1940 Amherst-Wesleyan game.

Monsanto Names Weaver Anniston Plant Manager

Herbert Weaver has been promoted to acting plant manager of the Anniston, Ala., plant of Monsanto Chemical Company. Mr. Weaver has been at Anniston since 1928, the year he graduated from Lehigh University.


AMMONIUM THIOCYANATE
NH₄SCN
Properties of Pure Compound:
Molecular Weight 76.11
Melting Point 150°C.
Boiling Point, decomposes about 170°C.
Specific Gravity at 20°/4°C 1.305
State: White, deliquescent crystals.
Solubility: Soluble in water, alcohol and acetone.
Uses: Ammonium thiocyanate undergoes rearrangement when heated under various conditions and yields thiourea and guanidine thiocyanate.
Aqueous solutions of ammonium thiocyanate have a swelling action on cellulosic and animal fibers and have been used to improve the affinity of textile fibers for dyestuffs. NH₄SCN has been used extensively in the finishing trade in the application of indigosol and algosol colors by the thiocyanate-chromate steaming method. It has been used as an inhibitor to protect the shades of certain sensitive dyestuffs from the action of copper in dyeing equipment.
It may be used as a raw material for the production of resinous condensation products upon reaction with formaldehyde. Derivatives have been used as accelerators in the production of urea-formaldehyde resins.
The thiocyano group is incorporated in many types of organic compounds to make products having powerful insecticidal properties.
In the metal finishing industry thiocyanates are used in the production of "black nickel" coatings. Its corrosive action on iron is utilized in pickling compositions.
Lubricating compositions have been prepared making use of thiocyanates for their special properties.
The application of ammonium thiocyanate for the destruction of weeds has proven a highly effective and economical measure. It is used also for control of potato wart infestation. Employment of thiocyanate solutions has hastened the reddening of apples. Stimulation of plant growth has resulted from certain treatments.

Can you use

Ammonium Thiocyanate

(Ammonium Sulfocyanide)

at substantially lower cost?

Koppers has placed in operation a large commercial plant for the production of ammonium thiocyanate crystals. Supplies are now available in quantities not obtainable before and at costs which make ammonium thiocyanate practical for purposes for which it has not been used in the past.

Chemists and Manufacturers who have previously investigated the possibilities of Ammonium Thiocyanate should reconsider its use in view of this increased supply and reduced cost.

Koppers Ammonium Thiocyanate can be supplied in crystal form, having minimum purity of 95% . . . or as crude liquor, containing equivalent of 2½ to 3 pounds of crystals per gallon.

Samples, quotations and further information on request.

KOPPERS COMPANY
TAR AND CHEMICAL DIVISION
PITTSBURGH, PENNSYLVANIA

Coaltar Chemicals

Other Intermediates

—*Continued from page* 33

situation reflected in a tightness of supplies. Prices firm.

Phthalic Anhydride.—Sellers continued policy of allocation available output. Prices unchanged and firm.

Thiocarbanilide. — Good demand, business held to normal needs as a rule. Prices unchanged.

Toluidin, Mixed.—Firm price tone prevailed, with offerings limited.

Xylidin, Mixed. — Tight situation evident, and business on restricted basis. Prices firm.

Coaltar Colors

Buying held at steady levels in the market for various coaltar colors last week. Sellers were still under pressure to make all deliveries, but managed in most instances to satisfy the broader inquiries. Defense buying from the textile industry was one of chief factors, with large government contracts in various branches of the industry reflected in inquiries for certain dyestuffs. A tightening in the raw material situation was still the most disturbing element, and limited output of some materials. Export inquiries reached the market in good volume, but many sellers could not accept all inquiries in view of the heavy domestic demand. Prices were well sustained, and general tone one of firmness.

Resale Market

Inquiries continued to circulate freely in the resale market for coaltar chemicals last week. As was the case in the past several weeks, it was difficult to find any sizable offerings, and a wide range prevailed in the asking prices.

Supplies of anilin, if any, were quoted at 40c. to 50c. per pound. Phthalic anhydride ranged from 48c. to 60c. per pound, while small lots of phenol brought from 30c. to 40c. per pound. It was difficult to find any offerings of technical salicylic acid with prices anywhere from 60c. to 90c. per pound. Toluol held at 50c. per gallon, while flake naphthalene was from 10c. to 12c. per pound.

HOOKER ELECTROCHEMICAL CO.
HOOKER
Para Nitrobenzoyl Chloride
HOOKER ELECTROCHEMICAL COMPANY
Niagara Falls, N.Y.

General Aniline Control Purchase Again Denied

OPD Washington Bureau
October 16, 1941

Reaffirmation of its decision in denying the application of the General Dyestuff Corporation for permission to purchase the controlling shares of General Aniline and Film Corporation from Internationale Gesellschaft fur Chemische Unternehmungen A. G. (I. G. Chemie), a company organized under the laws of Switzerland, was announced today by the Treasury Department.

The department, on October 2, announced a definite denial of the application. Since that time General Dyestuff Corporation filed a reapplication. Today's action reaffirmed the former position of the department with respect to the new application.

Solvay Soda Ash Capacity Expanded

Solvay Sales Corporation has announced that the Solvay Process Company is commencing work on expansion of its soda ash plant at Baton Rouge, which will greatly increase the capacity of this plant. In addition, work has been going on for the past several months in the company's Detroit plant to materially increase its soda ash capacity at this point.

Keystone Ordnance Works Site in Brownsville, Pa.

OPD Washington Bureau
October 15, 1941

The War Department announced today the selection of the vicinity of Brownsville for the construction of a plant to manufacture TNT from toluene. The plant will be known as the Keystone Ordnance Works. It will be government-owned and agent-operated.

American Can Company will make torpedoes for the United States Navy in a new plant in the Chicago area.

For Prompt Shipment from Goodhope, La.
NITRATION PURE BENZOL
INDUSTRIAL PURE BENZOL
DRUMS TANK CARS BULK
THE COASTWISE PETROLEUM COMPANY
Munsey Building Cable "LUBOYLE" BALTIMORE, MD.

Low Temperature Carbonisation, Ltd.
ENGLAND
Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.
A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.
This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.
Please send us a note of your requirements with full particulars to our Sales Agents:—
TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

Fully protected by Copyright

Three-hundred-ninety-sixth instalment

Poisonous Gas

Absorbents for Poisonous Gas

Asbestos impregnated with neutralizing agents
Amylamines
Charcoal
Casein
Formaldehyde
Fuming sulphuric acid
Gelatin
Glue
Glycerin
Hydrochloric acid
Iodic acid
Iodine
Iodine pentoxide
Oleum
Oxygen
Platinum black
Potassium hydroxide
Pumice
Soda-lime
Sodium hydroxide
Sodium thiosulphate
Sulphuric acid
Triethanolamine

Polishes, Leather

Leather Polishing Agents

Aluminum oleate
Beeswax
Bone oil
Candelilla wax
Carnauba wax
Castor oil
Ceresin
Cod oil
Copal
Emullo
Fat liquor soap
Goldbond oil
Glyconeats
Harness oil
Japan wax
Linseed oil
Mineral oil
Montan wax
Neatsfoot oil
Ozokerite
Paraffin
Shoe cream
Shu-men-ize
Stearic acid
Tallow
Train oil
Turpentine
Waxes

Polishes, Wood

Bases for Wood Polishes

Albacer
Aquamel
Barium soap (obtained by saponifying fats with barium hydroxide)
Candelilla wax
Carnauba wax
Ceresin
Colloy
Glycerin
Halowax
Japan wax
Lanetic
Linseed oil
Mineral oil
Mineral wax
Montan wax
Ozokerite
Paraffin
Paraflux
Tallow
Stearin
Viv
Stearic acid
Water wax 027D
Water wax 027L

Colors for Wood Polishes

Alkanet
Annatto
Oil-soluble dyes
Waxakol

Emulsifiers Used in Making Wood Polishes

Acenaphthenedisulphonic acid
Alkali sludge sulphonate
Ammonium linoleate
Ammonium tannate
Amylamines
Amyltetrahydronaphthalenecarboxylic acid
Anthracenesulphonic acid
Barium soap
Butyl acetylricinoleate
Butyl ricinoleate
Castor oil, acetylated
Castor oil, acetylated polymerized
Castor oil, sulphonated
Diamylamines
Diethylaminobetaoxypropylamine
Diglycol stearate
Emulsifier B 585
Emulsone B
Ethyl acetylricinoleate
Ethyl ethylricinoleate
Ethanolamine
Glycol stearate
Glycopon
Methyl ethyleneglycolmonopalmitate
Methyl oleicsulphonate
Methylhexalin
Mineral oil, sulphonated
Mineral oil sulphonic acid
Miscibol
Monobutylnaphthalenesulphonic acid
Naphtha oil sulphonic acid
Palmitic acid, sulphonated
Pectins
Potassium heptylnaphthalenesulphonate
Resin oil
Saponin
Sludge sulphonate
Soap sludge sulphonate
Soaps
Soda-tallow
Sodium alphatetrahydronaphthalenesulphonate
Sodium oleate
Sodium propylnaphthalenesulphonate
Solvoil
Suspendite
Tragacanth
Triamylamines
Triethanolamine
Trihydroxyethylamine
Trihydroxyethylamine linoleate
Trihydroxyethylamine stearate
Turkey red oil
Vegetable oils, sulphonated

Solvents Used in Wood Polishes

Acetone
Alcohol
Amyl acetate
Benzene
Carbon bisulphide
Carbon tetrachloride
Ethyl acetate
Ethyl alcohol
Gasoline
Kerosene
Methanol
Mineral oils
Naphtha
Oils
Paratoluidin
Petroleum spirit
Pyridin
Toluene
Trichloroethane
Turpentine
White spirits
Xylene

Porcelain

Adhesive or Binding Agents Used in Porcelain

Calcined bone
Calcium phosphate
Sodium citrate
Zirconium oxychloride
Zirconium silicate

Agents for Painting on Black Porcelain

Ammonium uranate
Uranium oxide, hydrated

Coloring Agents for Porcelain

Ammonium carbonate
Ammonium chloride
Ammonium hydroxide
Ammonium nitrate
Ammonium salts
Ammonium-mercuric salts
Sodium silicate

Reagents Used in Manufacture of Porcelain

Alkali aluminates
Alkali carbonates
Alkali hydroxides
Alkali oxides
Alkali-earth aluminates
Alkali-earth carbonates
Alkali-earth oxides
Alumina
Aluminum hydroxide
Aluminum oxide
Asbestos
Asphalt
Barium sulphate
Beryllium oxide
Bituminous material
Calcium aluminate
Calcium carbonate
Calcium sulphate
Carnauba wax
Clay
Cork flour
Cotton flock
Cristobalite
Dolomite
Fats
Feldspar
Flint
Gypsum
Lubricating oils
Magnesite
Magnesium oxide
Oxides
Paraffin
Phosphates
Phosphoric acid
Potassium carbonate
Quartz
Quartz glass
Silica
Silicates
Silicon dioxide
Sodium carbonate
Sodium hydroxide
Sodium phosphate
Thorium oxide
Titanium oxide
Tridymite
Wood
Zinc oxide
Zinc phosphate
Zircite
Zirconium oxide

Potato

Reagents for Disinfecting Potatoes

Mercury acetamide
Mercury acylamides
Mercury benzamide
Mercury oleylamide
Mercury phthalimide
Mercury succinimide
Potassium bicarbonate
Potassium carbonate
Potassium hydroxide
Sodium bicarbonate
Sodium carbonate
Sodium hydroxide

Dyestuffs, Textile and Leather Chemicals

Dyestuff Extract Demand Slackens — Tanning Materials Active —Quebracho Duty Sharply Cut by Argentine Trade Agreement —Large Expansion Now Underway in Dried Egg Production

Shipments moved steadily for most dyestuffs, textile and leather chemicals last week. In some instances where consumers bought ahead in anticipation of higher prices, a slackening was noted. This was true in some of the natural dyestuff extracts. Buying of chemicals was steady, but sellers usually limited commitments to contract allotments. Sizing materials were in good demand, while inquiries reached the market actively for tanning materials. Prices were well sustained at previous levels.

No immediate repercussions occurred in the price schedule for quebracho extracts as a result of the reciprocal trade agreement between this country and Argentina. Under the new agreement the duty on the extract, which is 15 percent ad valorem under the 1930 tariff act, will be halved.

Heavy domestic demand coupled with the British requirements under the lease-lend program expanded dried egg production. By the first of this year 37 new plants will be in operation in conjunction with the 16 plants which have been running for the past few years. Continuous operation of these plants would result in a production of 145,000,000 pounds of dried eggs per year.

Chemicals

Alumina Acetate.—Market firm, inquiries steady, offerings limited.

Alumina Chloride.—Quotations unchanged and firm, with buying steady.

Ammonia Bichromate. — Moderate inquiry, market position tight.

Antimony Salts.—Offerings limited, while prices held firm.

Chrome Acetate.—A firm price tone prevailed for all grades. Demand steady.

Potash Bichromate.—Shipments held to regular contract allotments. Prices displayed firmness.

Potash Prussiate. — Transactions steady to regular consumers. Prices underwent no change.

Soda Bichromate. — Withdrawals steady against contracts. No change disclosed in the prices.

Soda Prussiate.—Supplies limited to regular consumers for normal needs. Prices were firm.

Zinc Dust.—Prices advanced 1c. as announced late previous period. Business allocated.

Price Changes

Advanced

Zinc dust, 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
245.7	245.7	245.3	148.6

Market news that may have developed after this report was sent to press will be found on page 4.

Dyestuffs

Annatto.—Routine interest. Prices remain the same.

Cochineal. — New business dull. Prices lacked any alteration.

Fustic.—Some let up in demand. Quotations rule firm.

Hypernic.—A fairly steady inquiry prevailed. Prices remain unchanged.

Indigo.—Dealings narrow. Nothing new to report in the quotations.

Logwood.—Replacement buying less active. Prices held firm.

Turmeric.—Spot offerings limited. A firm price tone prevailed.

Sizing Materials

Albumen, Blood.—Steady demand, with sellers pressed to make all deliveries. Prices firm.

Albumen, Egg. — Prices without change. Steady inquiry. Government purchases in week ended October 11 totaled 2,868,875 pounds.

Corn, Sugar.—Bookings well maintained, while prices held the same.

Dextrin, Corn.—Prices held at previous levels, while buying was steady.

Dextrin, Potato.—No new developments occurred in the prices. Business good.

Egg Yolk.—Domestic and imported prices unchanged. Market position tight.

Sago Flour.—Offerings larger from primary centers. Prices firm at recently established levels.

Starch, Corn. — Shipments steady. Prices failed to change. September corn grind 8,719,970 bushels, against 8,622,847 in August and 5,937,663 bushels in September, 1940, according to the Corn Industries Research Foundation.

Starch, Potato.—A seasonal lull continued as preparations for this year's crop is underway. Prices unchanged.

Tapioca Flour.—Shipments remain favorable from the Far East and market position improved. Prices unaltered.

Tanning Materials

Chestnut Bark.—Shipments steady. No change occurred in the prices.

Cutch.—Offerings usually confined to regular channels. Prices without change.

Divi-Divi.—Good inquiry. Prices held at the same levels.

Gambier. — Spot offerings small. Prices well maintained.

Hematine.—Some slackening evidence in the demand. Prices unchanged.

Mangrove Bark.—Call moderately active. Prices rule unchanged.

Nutgalls. — Heavier demand for Chinese in absence of any other offerings. Spot stocks not large and replacements remain uncertain. Prices firm.

Osage Orange.—Buying routine. No change disclosed in the prices.

Quebracho.—Under reciprocal trade agreement with Argentina the duty on extract, 15 percent ad valorem under the 1930 tariff act, will be halved. Demand steady and prices without change.

Spruce.—A tight situation prevailed, with buying fairly broad.

Resale Market

Business in the resale market continued in only a few chemicals last week. Soda bichromate was offered in limited quantities at higher levels than the preceding period ranging from 24c. to 28c. per pound. Small lots of potash went from 23c. to 25c. per pound. Potash prussiate, yellow, was firmer also ranging anywhere from 34c. to 40c. per pound, and as high as $1 would have to be paid for the red material. Soda prussiate sold from 18c. to 22c. per pound.

Wattle Bark

A better demand prevailed in the market for wattle bark, reflecting to a large extent the increased activity in the tanning industries. Unlike some other raw tanning materials, no shipping difficulties were experienced since the outbreak of the war. The bulk of the materials came for South and East Africa where regular shipments were possible.

Imports during the first six months of this year increased sharply totaling 12,214,131 pounds, as compared with 8,135,106 pounds in the corresponding period a year ago. Shipments in the entire year 1940 aggregated 16,693,882 pounds, against 11,463,259 pounds in the 1939 period.

Prices have been upward since the start of the war. However, in recent weeks quotations seem to have been stabilized. Most of the increase could be directly attributed to the much higher freight rate and war risk insurance. In August, 1939, prices ranged from $34.50 to $38 per ton, while at the present time quotations were from $41 to $43 per ton. The solid extract advanced from a level of 4c. at the start of the war to the basis of 4.60c. per pound.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

Corn Products Answers F.T.C. on Price Charges

—Continued from page 5

the company with making "distribution differentials."

It was not the intention of Congress, by enacting the Robinson-Patman act, to prohibit selling under the basing point method of determining delivered prices, and a seller whose differences in delivered prices at different destinations are the result of the use of the basing point system does not discriminate in price between different purchasers within the language of the law, the company held.

Even if it should be held that such differences in delivered prices as result from the basing point method are not excluded from the purview of the law, the record in the case does not establish a violation, the company contended.

Western Dye House, piece goods dyers, is constructing a 5,000-square-foot addition at 642 North Almont drive, Los Angeles.

Defense Contracts Recently Awarded

Chemicals, oils, drugs and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies as follows:—

Agricultural Purchase, Sales and Traffic Bureau

Mixed Fertilizer:—$243,925, Merchants Fertilizer Company, Charleston, S. C.

Army Air Corps

Enamel:—$16,579.62, Grand Rapids Varnish Company, Grand Rapids, Mich.

Sealing and Slushing Compounds:—$38,702, W. P. Fuller & Co., Los Angeles, Calif.

Soda, Caustic:—$20,405, Dow Chemical Company, Midland, Mich.

Army Engineers

Fuel, Diesel:—$11,005.95, Socony-Vacuum Oil Co., New York; $22,000, Sanford Service Co., DeFuniak, Fla.

Fuel Oil: — $23,086.90, Socony-Vacuum Oil Co., New York.

Paints and Varnishes:—$14,130, Jaegle Paint & Varnish Company, Philadelphia, Pa.

Army Medical Corps

Aloin Compound:—$3,411.40, Frederick Stearns & Co., Detroit, Mich.

Chloroform: — $9,627.50, Mallinckrodt Chemical Works, St. Louis, Mo.

Drugs: — $19,500, Cook Laboratories, New York; $7,800, E. R. Squibb & Sons, New York; $15,500, Merck & Co., Rahway, N. J.; $47,311.25, Norwich Pharmacal Co., Norwich, N. Y.; $16,760, Frederick Stearns & Co., Detroit, Mich.; $7,680, Ciba Pharmaceutical Products, Inc., Summit, N. J.; $2,821, Sharp & Dohme, Inc., Philadelphia, Pa.; $7,319, Eli Lilly & Co., Indianapolis, Ind.; $91,458, Norwich Pharmacal Company, Norwich, N. Y.; $18,701, C. E. Jamieson & Co., Detroit, Mich.; $147,000, Merck & Co., Rahway, N. J.; $1,900, Eli Lilly & Co., Indianapolis, Ind.; $1,870, Abbott Laboratories, St. Louis, Mo.

Neoarsphenamine:—$10,550.01, Merck & Co., Rahway, N. J.

Olive Oil:—$17,360, Conti Products Corporation, Brooklyn, N. Y.

Plasma, Dried:—$182,500, Cutter Laboratories, Chicago; $162,500, Abbott Laboratories, Chicago; $175,000, Lederle Laboratories, Inc., New York; $37,500, Eli Lilly & Co., Indianapolis.

Pumice Powder, Purified Talc, and Pine Tar:—$5,233.75, Industrial Distributors, Inc., New York.

Purified Talc and Terpin Hydrate:—$3,930, Merck & Co., Rahway, N. J.

Silver Protein:—$10,880, Parke, Davis & Co., Detroit; $8,177, Heyden Chemical Corporation, New York.

Soap:—$20,382.50, Crystal Soap & Chemical Company, Philadelphia, Pa.

Spinocain:—$15,000, Winthrop Chemical Co., New York.

Army Ordnance

Explosives:—$25,254.21, Hercules Powder Company, Wilmington, Del.

Flares:—$575,400, Essex Specialty Company, Berkeley Heights, N. J.; $1,462,500, Unexcelled Mfg. Co., New York.

Oil:—$2,433.39, Texas Company, Chicago.

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THE LARGEST MANUFACTURERS AND EXPORTERS OF TECHNICAL EGG PRODUCTS OFFER YOU EGGS, LIQUID OR DRIED, IN ANY FORM FOR EVERY INDUSTRIAL USE.
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Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
BICHROMATES

Washington Talks It Over

—Continued from page 5

possibility that Philadelphia or New York might some time drain off Texas's gas.

Food Oils Battle

Senator E. D. (Cotton Ed) Smith of South Carolina and Senator John H. Bankhead of Alabama eat, sleep, and talk nothing but cotton and usually see eye to eye on the subject, but now they are engaged in a bitter dispute over who is the No. 1 enemy of Southern agriculture. Cotton Ed says it's Leon Henderson because he once threatened to put a price ceiling on cottonseed oil. Brother John says it's Henry Morgenthau, jr., because he made a speech suggesting that inflation curbs also include food prices.

A few weeks ago Henderson said he thought 10 cents a pound was high enough for crude cottonseed oil, and most farm spokesmen thought a 10 cent price would be wonderful. Now Bankhead has summoned the congressional farm bloc to a rally next week to demand a 14 cent loan program for cottonseed oil and also a loan program for soybean oil at a peg to be fixed later. Even during the depression the government never found it necessary to boost these oil prices with loan programs.

Continuing his battle for the cotton farmer, Bankhead has asked the Department of Justice to investigate reports which have reached him to the effect that big Chicago meat packers have dumped large quantities of lard on the market in a deliberate attempt to break the prices of vegetable oils.

No. 1 Man Nelson

That Donald M. Nelson is the most powerful man in the defense program, second only to the President, is freely admitted in Washington. It is just as freely admitted that he is doing an excellent job, is sincere, practical, and able. Not only has there been no public or undercover criticism of him, but even cynical news reporters have nothing but good words for him. Nelson is tops in esteem as well as in position.

When Don Nelson left the University of Missouri he got a job as a textile-testing chemist with Sears, Roebuck & Co., intending to stay only long enough to finance a post-graduate course in chemistry, but was kept on and finally became executive vice-president. When he was brought into the defense program about a year ago he intended to stay two months helping the Treasury Procurement Division reorganize its purchasing system, but he was switched over to help the National Defense Advisory Commission with similar problems, then was made Director of Purchases when OPM was created, and now is both Director of Priorities and executive director of the Supply Priorities and Allocations Board. Friends say he still wishes he could fuss around a laboratory.

Housing Coordination

Federal activities relating to housing have long been Exhibit A of lack of coordination, and this condition fairly well survived the series of government reorganizations a couple of years back. Creation last year of a Defense Housing Coordinator just made things worse. Lack of cooperation in recent months has been close to scandalous. Now that operation of the priorities system has made it almost impossible to do any extensive home construction work, the President has started to reorganize and coordinate the many housing activities. He turned the job over to his longtime personal friend, Judge Rosenman, of the New York bench, who was responsible for bringing order out of defense chaos by the creation of SPAB. Even if the judge's recommendations relate only to emergency defense housing matters and don't touch other housing activities of the government, he will have accomplished a much-needed reform in administration.

Blackness of L.A. List

The fact that the United States (black) list of proclaimed concerns in Latin America, with which it is tabu to deal, contains quite a few names not on the British blacklist is being used by certain exporters as an argument for liberalizing the rules for trading south of the border. They say that either a lot of names should be taken off, so they can continue to distribute down there, or else a lot more names should be put on so U. S firms can have a better chance to build up their own branch houses and distribution services free from competition which, they say, is now given by unlisted concerns which buy U. S. raw materials, fabricate them, and distribute through blacklisted outfits.

The plea has a practical basis, but so far the Department of State is deaf to it. One reason is that the idea has been broached privately by individual concerns which might have private axes to grind, rather than coming from the entire export industry as an open and above-board proposition. One concern which has made such overtures only recently got its skirts cleared with another Federal department over a suspicion of Nazi hookups in Latin America, and its spokesman at the Department of State was a prominent lawyer-lobbyist formerly powerful in New Deal inner circles.

Deck-Loading Tankers

One reason, probably minor, why supplies of oil along the East coast are rather tight is that the Navy has uses for its tankers in addition to carrying oil. It requisitioned all the big, new, fast tankers built by oil companies with naval subsidies to incorporate features making the vessels suitable for use with the fleet, which was all right except that certain officials couldn't figure out why the Navy needed so many tankers. Now the story is that the Navy found that the large, unobstructed decks of its tankers could be used to transport certain strategic equipment which it couldn't figure out how to move any other way. The story continues that now, after weeks of study and with the cooperation of private industry, another means of transportation has been devised and the tankers can return to carrying oil. It will be a dramatic tale when it can be told.

Chemical Exposition Exhibitors to Top 300

Technical problems created by the program of national defense will make the Eighteenth Exposition of Chemical Industries, in Grand Central Palace, this city, December 1-6. More than 300 exhibits, representing the highest concentrate of industrial ingenuity, are now being prepared to be assembled from all parts of the country and compacted into more than three acres of floor space, under a single roof. The exposition will be open to qualified visitors by invitation and registration, and will be the occasion for many technical conferences.

ZINC IN DEFENSE-
NO. 1 OF A SERIES
HULL PLATES
RUBBER
BRASS
PAINT
DIE CASTING
CERAMICS
METAL SPRAYING
GALVAN-IZING
PHARMA-CEUTICALS
NICKEL SILVER
U. S. NAVY PHOTO
AN ATTACK OF CORROSION IS THWARTED!
Most persons do not think of zinc in connection with marine equipment, and yet the United States Navy, as well as independent ship operators, rely on zinc plates to retard the costly corrosion of hulls, boilers and condensers—on vessels which are, today, vital to National Defense.
Because of its relative position in the electrochemical series, zinc in contact with steel in the presence of water will gradually be dissolved, protecting the surrounding area from corrosion. For this reason, it has become common practice to bolt zinc plates directly to the exterior of ships' hulls to provide sacrificial corrosion and save the steel. (Zinc's method of protecting steel by galvanizing involves a similar principle).
The Defense Program requires the employment of all available shipping and the construction of new tonnage in record volume, thereby greatly multiplying the normal needs for hull plates. This use for zinc is typical of the way in which the metal is serving defense without commanding widespread attention.
Actually, the uses of zinc today are no different from those in normal times, but the increased demand on each of the many uses having a part in defense pyramids the load for the zinc industry. Thus it is that manufacturers of non-defense products have not been able to obtain all of the zinc they would like to use. This is part of the price that must be paid for national security.
THE NEW JERSEY ZINC COMPANY
MANUFACTURERS OF THE FAMOUS HORSE HEAD LINE OF PRODUCTS

Paint, Varnish, Lacquer Materials

Tariff Cut in Argentine Casein Will Not Affect Prices—Argentine Producers Will Absorb Added Profit—Pigments and Dry Colors Remain Very Tight

The 50 percent cut in duty on Argentine casein, effective November 15, will have little affect on prices of either domestic or Argentine grades, it was indicated in the trade last week. The consensus of opinion was that the Argentine producers will take advantage of the added profit to themselves by keeping their prices more or less in line with those on the domestic material. Also, several of the domestic producers stated that if the price of the Argentine material is lowered the amount of the cut in duty, they will maintain their quotations until heavy buying of the imported product forces a price rise. Prices on the Argentine material dropped sharply last week as the flush season arrived in that country.

Tightness continued the dominant factor in markets for practically all pigments and dry colors last week. Defense orders were monopolizing trade and many small manufacturers were encountering difficulty in obtaining supplies of raw materials. Varnish gums were very firm, and were coming in for added attention from synthetic resins users who were looking for substitute material. Glues were tight and nominal in price.

Quieter conditions prevailed in Southern and local markets for rosin and turpentine, developments in other commodities making consumers disposed to curtail purchases. Primary offerings were generally light and the prevailing tone was steady or firm.

Metallic Lead and Zinc

Consumers of lead are about 98 percent covered on October needs and indications are that total sales during the month will reach about 90,000 tons, including foreign lead allocated by the Metals Reserve Corporation. November requirements are about 25 percent covered. Price remains firm and unchanged. Little change was reported in the primary market for zinc. Following the price rise at the end of the previous week, the market returned to its routine but highly active state. The new price was firm. Producers of zinc from secondary materials under toll agreements have been exempted from setting aside any of these materials for pool purposes.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from October 11 to October 17, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from October 11 to October 17, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0865	$0.0825	..* .. ..
Monday	.0865	.0825	.. .. ..
Tuesday	.0865	.0825	.. .. ..
Wednesday	.0865	.0825	.. .. ..
Thursday	.0865	.0825	.. .. ..
Friday	.0865	.0825	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Large call. Offerings tight. Price steady.

Blue Lead.—Market firm. Demand good.

Flake White.—Price steady. Offerings normal.

Litharge. — Demand well maintained. Prices steady.

Lithopone.—Market tight. Material allocated. Prices unchanged.

Orange Mineral.—Good demand reported. Movement large. Price firm.

Red Lead.—Consumers ordering in good volume. New business fair. Prices steady.

Titanium Pigments.—Little available except to regular customers. All needs not satisfied. Prices steady.

White Lead.—Movement smaller. Prices firm.

Price Changes

Advanced

Rosin, gum, 1c. to 3c. per 100 lbs.
Turpentine, gum, 1½c. per gal.
s.d., 2c. per gal.

Reduced

Casein, imp., Argentine, 2½c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
137.9	137.9	129.8	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Slab Zinc

The recently-announced increased prices for zinc are expected by the Office of Production Management to stimulate production enough to take care of all existing defense and essential civilian demands.

Present domestic production of zinc is running at the rate of 75,000 tons per month. The new prices are expected to increase production by 10 percent at least and possibly as high as 15 percent. The price increases were necessary, the OPM felt, not only to step up production, but also to avoid threatened decreases in the current rate caused by increased costs. The new prices are expected to increase production by enabling producers to work lower grade ores and to open higher-cost operations.

Meanwhile the advance in the prices has had an upsetting effect on the secondary market where buyers are anxious to acquire material before the inevitable advance in the ceiling price, and dealers are equally anxious to hold on to their stocks, knowing that it will not be long before they will be able to get another cent per pound. The trade is confident that OPA will announce an amendment to the scrap zinc schedule within a few days, adjusting the parity between the virgin metal and scrap.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

HOOT MON! PARANOL 25

FOR A MON WI' AN EYE TO LOW COST PRODUCTION

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

Our Technical Staff is at Your Service

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PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
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ULTRAMARINE
. . . sure cure for blues over blue!

Often challenged—but yet to be bettered—Calco Ultramarine tops the field for virtually every use for blue. Deep, juicy blues—sparkling *white* whites—and the whole range of blue shades in between—are more readily obtained with Ultramarine than with any other blue. Complete control of processing in our own plant assures consistently uniform strength, working properties and fastness to light and alkalis. Special types—each superb for its purpose—for Paper, Rubber, Soap, Linoleum and Textile products. Write today stating your needs for blue and a free sample will be sent to meet your requirements.

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BOUND BROOK Calco NEW JERSEY
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Established 1849

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CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
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● CHICAGO
● ST. LOUIS
● KANSAS CITY
● DALLAS
● LOS ANGELES
● SAN FRANCISCO
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FRANKS CHEMICAL PRODUCTS CO.
BLDG. 3, BUSH TERMINAL — BROOKLYN, N.Y.

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"Frankly, since we switched to Metasap 'Made to Order' Metallic Soaps, I think our customers are too anxious to buy"

The cooperation of our laboratories is at your service to help you eliminate all guesswork in the selection of Metallic Soaps. Developed for your specific product *your* Metasap Metallic Soap will work better in *your* product.

CHICAGO CEDARTOWN, GA. HARRISON, N. J. BOSTON LOS ANGELES

REG. U. S. PAT. OFF.
METASAP CHEMICAL COMPANY
Stearates Palmitates
OF ALUMINUM, CALCIUM, LEAD, ZINC
A Division of National Oil Products Company

Zinc Oxides.—Very tight. Prices firm. July imports were 1,224 pounds.

Driers

Continued large demand for various types of stearates and palmitates tightened the market further last week. Producers continued to limit sales to regular customers only and new business was being discouraged. Many types of driers were virtually unobtainable. Prices were steady and unrevised.

Dry Colors

Alkali Blue Toner.—Slow movement due to tightness. Price firm.

Bone Blacks.—Large demand. Offerings fair. Prices steady.

Carbon Blacks.—Activity began to lessen due to less rubber trade interest. Good export call reported. Prices steady and unchanged.

Cadmium Colors.—Large demand. Few offerings. Contract call fair. Prices steady.

Chrome Colors.—Movement slow. No new offerings. Contract customers getting preference after government and essential civilian orders. Prices firm.

Iron Blues.—Supplies low. No spot offerings reported. Prices firm.

Iron Oxides.—Movement fair. Prices steady. July imports totaled 727,462 pounds of the natural and 405,946 of the synthetic.

Lithol Toners.—Offerings, demand, shipments and prices at previous levels.

Mercuric Oxides.—Fair call. Prices steady.

Ultramarine Blue.—Contract movement fair. Price steady. July imports totaled 71,320 pounds.

Vermilion.—Satisfactory interest at unchanged price.

Fillers and Extenders

Asbestos.—Market active. Prices steady.

Asphaltum. — Fair movement on contract. No price changes.

Barytes.—Good call. Offerings normal. Prices steady.

Blanc Fixe. — Routine deliveries. Market tighter. Prices firm.

China Clay.—Buyers active. Tone stable.

Diatomaceous Earth.—All grades in fair call. Prices firm.

Fullers Earth. — Market holding well. Quotations steady.

Gypsum.—Demand active. Prices firm.

Graphite. — Consumers ordering well on contract. Inquiries more numerous. Prices steady.

Mica.—Demand well ahead of last year. Consumers active. Offerings routine. Prices steady.

Marble Flour. — Market running along unchanged lines. Prices steady.

Talc.—Demand holding well, with supplies fair. Prices unchanged.

Whiting. — Large call reported. Prices steady. July imports were 268,800 pounds, valued at $1,354.

Woodflour.—Fair call for domestic material reported. Prices steady. Norwegian product unobtainable.

Lacquer Materials

Buying for defense needs gave no evidence of slacking in the market for lacquer materials and solvents last week. Consumers in non-defense industries found it increasingly difficult to obtain supplies, and some talk was heard of a barter system to overcome shortages in certain essential materials by trading surpluses. The lacquer manufacturers were believed considering such a plan and submitting their needs to a central agency for supplies.

A further reduction was proposed in automotive operations, with January output expected to be curtailed more than 50 percent. It was understood that January production would provide for slightly more than 200,000 cars, against 411,233 units in January, 1941.

Prices gave no further evidence of advancing as far as producers were concerned, and no word was forthcoming regarding price ceiling on certain products. However, in the outside market what little material was available passed at prices more than double the regular schedule.

Acetone.—Buying active, market position remains tight. Prices firm.

Butyl Alcohol.—A heavy inquiry continued, and sellers were usually allocating available material. Prices rule firm.

Cellulose Acetate.—Shipments moderately active. No new price developments took place.

Dibutyl Phthalate.—Bulk of material continued to move for defense purposes. Prices underwent no change.

Ethyl Acetate. — Inquiries brisk. Shipments moved steadily with sellers

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NEW YORK 52 Vanderbilt Ave. SAN FRANCISCO 503 Market Street

unable to supply all the demand. Prices unchanged and tone firm.

Isopropyl Acetate.—A tight situation continued to characterize the market. Prices held at previous levels.

Methylethyl Ketone. — Supplies scarce. Shipments lag. Prices failed to change and tone was firm.

Tricresyl Phosphate. — Defense needs directly and indirectly take large amount of output. Prices firm.

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Naval Stores

Rosin and turpentine were quieter in Southern and local markets last week, a downward trend in various other commodities making consumers disposed in some cases to curtail purchases for a time. There was no pressure of offerings in the South, however, and the prevailing tone was steady or firm, price changes being comparatively narrow. The indications still seemed to point to a steady movement into consuming channels. The government remained in the market as a seller of turpentine and rosin. Unsold supplies of turpentine under government control appeared to have dwindled about to the vanishing point. Clearances of about 3,000 barrels of turpentine were reported last week, supposedly for Britain, and it was contended that if the government sends any other shipments abroad the supplies will have to be acquired through purchases in the open market. Weather conditions over the South were generally favorable for operations in the woods, but there was no increase in the movement to primary points. The following purchases of pine products were reported by the government during the week ended October 11:—Pine oil, 43,787 gallons; kiln pine tar, 16,500 gallons; retort pine tar, 32,700 gallons; pine tar oil, 5,500 gallons; pine pitch, 448,000 pounds; wood rosin, 5,471,900 pounds.

Turpentine. — No change in the character of business was noticeable here last week. In some quarters a fair inquiry reported, but as a rule purchasing was limited to comparatively small lots to fill current needs. Price movements were narrow, the undertone of the market apparently being firm.

Savannah, Oct. 17.—Following is a record of the turpentine market for the week:—

	—Gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday†	..	...	...	...	...
Tuesday	72½	14,750	518	389	15,345
Wednesday	72¾	4,050	218	75	12,931
Thursday	73	2,850	80	411	12,620
Friday	73½	6,000	116	329	12,187

* No trading.
† Holiday.

Jacksonville, Oct. 15.—Turpentine stock 14,050 barrels.

Pensacola, Oct. 11.—Turpentine stock 8,126 barrels.

Chicago—Oct. 17

Turpentine buying has been irregular. Ruling prices at the close of business last night were:—Five-drum lots, 84c. per gallon; five wood barrels, 89c; single drums, 87c.; single barrels, 92c.

London, Oct. 17.—Turpentine 68s. 6d. per cwt.

Rosin.—A steady tone prevailed in the local market in the absence of any material change in the situation in the South, where receipts and offerings were moderate and price changes narrow. Purchasing here was generally limited to unimportant quantities.

Savannah, Oct. 17.—Following is a record of the rosin market for the week:—

	—Price per unit—Low of range quoted— *Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	...	$2.47	$2.47	$2.49	$2.49
D	...	...	2.48	2.48	2.49	2.49
E	...	...	2.48	2.48	2.49	2.49
F	...	...	2.48	2.48	2.49	2.48
G	...	...	2.46	2.46	2.48	2.48
H	...	...	2.44	2.45	2.45	2.46
I	...	...	2.44	2.43	2.45	2.46
K	...	...	2.44	2.44	2.46	2.48
M	...	...	2.60	2.60	2.60	2.61
N	...	...	2.69	2.69	2.64	2.60
WG	..	...	2.76	2.76	2.77	2.79
WW	..	...	2.87	2.87	2.88	2.90
X	...	...	2.87	2.87	2.88	2.90

	Barrels				
Sales	...	...	924	94	793	505
Receipts	...	...	1,178	517	390	658
Shipments	...	...	656	514	5,952	1,340
Stocks	...	...	...	...	...	90,228

* No trading.

Jacksonville, Oct. 15.—Rosin stock 282,584 barrels.

Pensacola, Oct. 11.—Rosin stock 18,865 barrels.

Chicago—Oct. 17

Rosin fairly active. Ruling prices at the close of business last night in five-drum lots, $3.73 per 100 pounds net; G grade, $3.75; M grade, 3.93; W.W. grade, $4.22.

London, Oct. 17.—Rosin, W.W., 33s. per cwt.

Other Naval Stores

Pine Oil.—Demand active. Producers sold ahead. Resale offerings scarce. Market firm.

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Pitch.—Inquiry good. Spot supplies limited. Tone firm.

Rosin Oil. — Quotations generally maintained. Trade fairly active.

Tar.—Steady demand from local and other consumers. Market firm.

Shellac

Local shellac business was reported very good throughout the past week. Deliveries on contracts were satisfactory and interest in placing new business showed moderate improvement.

Arrivals of shellac from Calcutta have eased the situation as to supply and it seemed reasonably certain that the requirements of shellac buyers in this country would be well supplied for some time to come.

Calcutta cables revealed prices that had a steady quality and at which some fairly substantial business was placed during the period under review.

Varnish Gums

All grades of natural resins remained very firm both here and in primary centers last week. Demand continued to broaden as more and more manufacturers sought these gums for replacement material. Supplies on hand were considered ample for immediate needs.

Synthetic Resins

The scarcity of many of these products became more enhanced last week and many consumers were forced to curtail manufacturing operations due to inability to obtain materials. Ester gum movement was fair on contract but few new offerings were noted. Prices were steady.

Glues and Binders

Casein.—Argentine casein prices dropped sharply to 20c. to 21c. per pound, c.i.f. ports, last week. This was about 2½c. per pound lower than the previous price. The drop was occasioned by the start of the Argentine flush season and the small demand. Domestic prices were unchanged.

Glues.—Heavy demand. Market tight. Prices nominal.

Resale Markets

Quotations heard in second-hand markets last week included:—Acetone, 17c. to 20c. per pound; butyl acetate, 18c. to 22c. per pound; butyl alcohol, 18c. to 20c. per pound; dibutyl phthalate, 50c. to 60c. per pound; isopropyl alcohol, 80c. to 90c. per pound; methyl ethyl ketone, 20c. to 25c. per pound; ethyleneglycol, 30c. to 40c. per pound, and tricresyl phosphate, 50c. to 60c. per pound.

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N.P.V.L.A. Convention Program Drafted

—Continued from page 4

Paint, Varnish and Lacquer Association.

Tuesday, October 28

Knickerbocker Hotel

Credit Conference

Chairman William L. Lang, Presiding

"Strict vs. Lenient Credit Methods—Which Today?" discussion leader, Leo E. Schroeder.

"Priorities — Effects — Industrial Sales?" discussion leader, E. N. Ronnau.

"Priorities—Effects—Trade Sales?" discussion leader, to be announced.

"New Accounts and Our Obligations to Existing Customers?" discussion leader, Frank E. Stolte.

"Are We Making Our Customers Better Merchants?" discussion leader, D. H. Driver.

"Is There a Need for an Industry Interchange?" discussion leader, to be announced.

"Where Do We Go from Here?" summary, to be announced.

Wednesday, October 29

Drake Hotel

Morning Session

Opening Business Session

Vice-President Carl J. Schumann, presiding

Preliminary report of by-laws committee, H. M. Howard, chairman.

Report of the treasurer, S. R. Matlack.

Preliminary report of nominating committee, R. W. Lindsay, chairman.

Welcome to Delegates:—

Federation of Paint and Varnish Production Clubs.

National Retail Lumber Dealers Association.

Painting and Decorating Contractors of America.

National Paint Salesmen's Association of the U. S.

"Paint in the National Crisis," Ernest T. Trigg, president.

Afternoon Session

Government Controls—OPM

President Ernest T. Trigg, presiding

Address, A. I. Henderson, deputy director, Materials Section, OPM.

Address, D. G. Clark, former assistant director, Division of Purchases, OPM.

Address, J. B. Davis, special advisor, Protective Coatings Section, OPM.

"Drying oils," Werner G. Smith, of Werner G. Smith Company, followed by a discussion.

"Pigments," Paul E. Sprague, discussion.

"Resins," A. J. Wittenberg, of Stroock & Wittenberg Corporation, followed by a discussion of the subject.

Thursday, October 30

Drake Hotel

Morning Session

Government Controls—OPM

President Ernest T. Trigg, presiding

"Solvents," Arthur E. Petersen, consultant, Chemical Branch, OPM, followed by a discussion.

"Cellulose Ester and Other Cellulose," J. B. Wiesel, followed by a discussion.

"Cans," Arthur V. Crary, followed by a discussion.

"Drums," T. W. Floyd, followed by a discussion.

"Wood Containers," J. Edward Tyler, III, followed by a discussion.

Afternoon Session

"Products Our Industry Can Make and How," Dr. H. A. Gardner, director, scientific section, National Paint, Varnish, and Lacquer Association.

"Priorities in the Paint Industry," George H. Priest, jr., priorities consultant, National Paint, Varnish, and Lacquer Association.

Balance of afternoon to be devoted to round table discussion.

Friday, October 31

Drake Hotel

Morning Session

Final Convention Session

Vice-president Carl J. Schumann, presiding

Final report of by-laws committee, H. M. Howard, chairman.

In memoriam, W. S. Auchincloss, of the OIL, PAINT AND DRUG REPORTER, chairman.

Consideration of committee reports and resolutions.

Trade sales division, Thurlow J. Campbell, chairman.

Industrial sales division, Paul S. Kennedy, chairman.

"World Conditions and the Part We Play," General Hugh S. Johnson. Followed by Open Forum.

Final report of nominating committee, R. W. Lindsay, chairman.

Election and installation of officers and members of the executive committee.

Unfinished business.

New business.

Adjournment.

Galvanizers to Meet In Pitts. Oct. 31

The Galvanizers Committee, which is sponsored by the American Zinc Institute, will hold its Fall meeting in the William Penn hotel in Pittsburgh, Pa., October 31. According to D. A. Russell of Youngstown Sheet & Tube Company, who has charge of the program, details are not entirely completed but the discussion of current problems will be the feature of the meeting. It is hoped that a representative from OPM will be present to answer questions relating to priorities, specifications and conservation.

Trade Briefs

Del Riccio Plastic Products Corporation has been organized in Los Angeles with a capital of $25,000 and is represented by Swarts & Tannenbaum, 650 South Spring street, Los Angeles.

Devoe & Reynolds Company stockholders have approved the issuance of 29,000 shares of 5 percent cumulative preferred stock, to be sold at the discretion of the directors.

Oil from tomato seeds and the residue, tomatoseed cake, would be utilized for fertilizer and animal food under the plan being studied by a food packing company in Brazil.

Miss Anne Stuart Duncan, daughter of Stuart E. Duncan, of the Peaslee Gaulbert Company, paint manufacturer, Louisville, was married recently to Thomas Edward Moran.

Baltimore Paint & Color Works, Inc., at 154 South Calverton road, Baltimore, is erecting a new warehouse addition, bringing its total floor space up to more than 100,000 square feet.

Defense Clinic Set For Chicago Oct. 22-24

OPD Washington Bureau
October 15, 1941

In an effort to spread defense work into additional qualified plants in the middle-west, the Contract Distribution Division of Office of Production Management arranged today to sponsor a Defense Production Clinic at the Hotel Stevens, Chicago, October 22-24. Floyd B. Odlum, director of the Contract Distribution Division, will visit the clinic on October 23. Approximately 175 large defense contractors, who have work that smaller manufacturers might share under subcontracts, will be invited to attend. Representatives of procurement departments of the armed services also will be present.

Firestone Rubber Fire Damage $13,000,000

Fall River, Mass., Oct. 12, 1941

Five large buildings and 15,850 tons of government-owned crude rubber were totally destroyed in a fire that today swept the plant here of the Firestone Rubber Company. Totaled damage was estimated at as high as $13,000,000.

The fire started on the third floor of one of the manufacturing buildings where seven workmen were tending curing ovens in which rubber automobile cushions were being heat treated. One of the ovens flared, a not unusual occurrence, but the workmen were unable to control the blaze. The flames spread quickly.

The plant has been working day and night on orders for gas masks, rubber cartridge belts for machine guns and other rubber products for the army, navy and air force.

Chicago Rubber Group To Hold Christmas Party

The Chicago Rubber Group held its October meeting in the Congress hotel, with 275 members and guests in attendance. After dinner, Andrew Hale of the Farrel Birmingham Company, presented his motion pictures, "Robots and Rubber" and "Rubber at the Rouge."

The group has arranged its Christmas party for December 19, in the Congress hotel in Chicago. The Chicago group will present its own orchestra with a complete show during the dinner. Attendance at this Christmas party is expected to be about 550 people.

The next technical meeting will be held on February 5. Dr. Somerville will present paper on "Sunlight Ageing Tests." Information concerning the Chicago Rubber Group can be obtained from Dr. H. A. Winkelman, chairman, Dryden Rubber Company, 1014 Kildare avenue, Chicago, or from the secretary, B. W. Lewis, Wishnick-Tumpeer, Inc., Tribune tower, Chicago.

C.D.I.C. Production Club Inducts Officers

Indianapolis, Oct. 15, 1941

Newly-elected officers of the C.D.I.C. Paint and Varnish Production Club were inducted into office at the September meeting. They are:—President, Fred J. Haniewich, Columbus Varnish Company; vice-president, Bonta Coulter, Carthage Mills, Inc., Cincinnati; secretary, Carl Lemcke, and treasurer, A. C. Lewis. Speaker of the evening was Dr. D. H. Dawson, of Krebs Pigment Company's research division, who discussed "Rutile Type Pigments."

Western N. Y. Production Men Hear Dr. Grove

Buffalo, Oct. 15, 1941

Dr. Clinton Grove, of the United Color & Pigment Company, addressed the October meeting of the Western New York Paint and Varnish Production Club. More than thirty members and guests were present. Discussing the present situation in the pigment industry, Dr. Grove said he believed the present shortage in pigments is due to the following:—Actual shortage of the raw material for their manufacture; shortage of manufacturing facilities, and psychological factor resulting in over-buying and large inventories.

Solvents Wall Chart Being Distributed

Commercial Solvents Corporation is distributing a comprehensive wall chart showing the important physical properties of eighty-three solvents, diluents, and plasticizers. The behavior of the various solvents, diluents and plasticizers toward the cellulose esters, ethyl cellulose, vinylite resins and chlorinated rubber is presented in easy-to-read tables.

Included also are conversion and humidity tables, drum calibrations, and data and graphs dealing with the principal factors influencing the flow of lacquers. While the chart is of interest to all chemists it should be particularly useful to those in the protective coating and plastics industries. One of these charts may be obtained by writing the corporation at 17 East Forty-second Street, New York, mentioning the REPORTER.

Tung Tree Plantings Reach 13,000,000 in '40

OPD Washington Bureau
October 15, 1941

That the production of tung nuts is on the way to becoming an important industry in the Gulf States is clearly indicated by 1940 Census figures. Tung tree plantings increased from 350,793 trees in 1930 to almost 13,000,000 in 1940. Increased domestic demands for tung oil for the manufacture of paint, varnish, lacquer and waterproofing, and drastic curtailment of imports of oil from the Orient, indicate a large tung nut market in the United States.

Since most of the trees were planted in the last decade, only 498 of the more than 2,000 tung nut farms reported production of 2,015,139 pounds in 1940. With the large proportion of trees planted yet to come of productive age, the output of tung nuts should take a big jump in the next few years, Census figures show.

Mississippi has three-fourths of the total tung nut trees in the country. Louisiana and Georgia, in order, are the next rankings States in number of trees planted. Other States to watch in tung nut production are:—Alabama, California, Florida, South Carolina, and Texas. The earliest commercial tung grove was planted in 1924 in Florida, and plantings were meager until the turn of the last decade.

Muralo Co. Names Smullen Assistant General Manager

W. M. Clark, general manager of the Muralo Company, paint manufacturers, Staten Island, has announced the appointment of George C. Smullen as assistant manager. His headquarters are at the home office. Mr. Smullen was previously connected with Benjamin Moore & Co., and the Sherwin-Williams Company. He has been with the Muralo Company for the past five years, two of which he supervised the sales in the Eastern Division.

Federation Plans Convention Activities for Lady Guests

Entertainment for ladies attending the Chicago convention of the Federation of Paint and Varnish Production Clubs will include a bridge and tea on the afternoon of October 27 and a dinner, at which colored motion pictures of South America and Mexico will be shown, on the evening of October 28. Both events will take place in the Drake hotel.

U.S. Plywood Appoints Hemming Research Head

Charles B. Hemming, for fifteen years research and development chemist with E. I. du Pont de Nemours & Co., Wilmington, has been appointed chief chemist of United States Plywood Corporation, this city. Mr. Hemming will supervise expansion and coordination of the company's research facilities in the plants throughout the country.

Zinc Uses in Defense Shown in New Leaflet

The importance of zinc in the national defense program is described in a new leflet issued by the New Jersey Zinc Company. Entitled "Zinc in Defnese," the leaflet describes the many uses of zinc in defense work, and thus explains to consumers the "why" of limited zinc supplies for non-defense consumption. Copies of the attractive leaflet may be secured by addressing the New Jersey Zinc Company, at 160 Front street, this city, mentioning the REPORTER.

Paint & Varnish Exchange Club to Meet Oct. 22

The Paint and Varnish Exchange Club will hold its next meeting October 22 at the Brooklyn Engineers Club. Speakers will be James A. Frederickson, Krebs Pigment & Color Corporation, who will discuss "Rutile Titanium Dioxide Pigments," and George J. Seedman, president of the American Business Congress, whose theme will be "The Threatened Blackout of the Small Manufacturers and Their Employees."

Rutile Titanium Pigments Booklets Are Available

Krebs Pigment & Color Corporation, Wilmington, Del., is publishing in October two informative booklets on the newly developed rutile crystal form of titanium pigments. The properties of the pigment, "Ti-Pure" R titanium dioxide, and of "Ti-Cal" R, titanium calcium pigment, are discussed. The booklets can be obtained by writing the company, mentioning the REPORTER.

Johns-Manville Promotes O'Brien and Baldwin

Leslie A. Baldwin has been named a vice-president of the Johns-Manville Sales Corporation and will manage sales of industrial products to the chemical and paint, automobile and nonferrous metals industries. John A. O'Brien also has been named a vice-president and will remain as general salesmanager of the power products and industrial department.

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Paint Industries Show Exhibitors

Drake Hotel, Chicago, Illinois

October 27 to 29, 1941

Advance Solvents & Chemical Corp.

Booth 28

A display of "Soligen" naphthenate driers has been prepared by the Advance Solvents & Chemical Corporation. Representatives of the company present at the booth will be A. L. Mullaly, president; C. A. Klebsattel, chief chemist; Norman G. Schabel, Cleveland and Central west representative; Carl A. Lechner, Chicago and Mid-West representative; A. H. Mullaly, jr.; J. C. Cooley; and agents of the company from all parts of the United States.

Aluminum Company Of America

Booths 11 and 12

The Aluminum Company of America has planned a display which deals with the National Defense Program and shows the part being played by the company in that program. Particularly discussed will be the manner in which defense has affected its paint pigment business. The company representatives normally calling on the paint trade will be in attendance at the booth.

American Cyanamid & Chemical Corp.

Booth 4

Specimens of the synthetic resins of its manufacture will be shown by the American Cyanamid & Chemical Corporation. Among such products are "Rezyl," "Teglac," "Beetle," "Phenac," and "Melmac," resins, and phthalic anhydride. Those that will represent Cyanamid at the show are:—H. Leigh Derby, jr.; E. F. Heizer, W. H. Andrews, Carl Byron, G. B. Horsfull, H. H. Suddard, W. B. Lambert, J. M. Sanderson, Wayne C. Norris, Leroy A. Chloupek, W. F. Whitescarver, and Emory H. Trussell.

American Gum Importers Association

Booth 48

The natural resins, vehicles made from them, finished materials made from these vehicles, and panels of the finished materials will constitute the exhibit prepared by the American Gum Importers Association. Samples of traffic paints, general utility varnishes, indoor enamels, lacquers, metal primers, floor polishes, and linoleum cements are also in the display. Attending the booth will be Anthony Skett, director of research of the association; and Robert W. Allen, and John H. Holzberger, of its technical staff.

Anderson-Prichard Oil Corporation

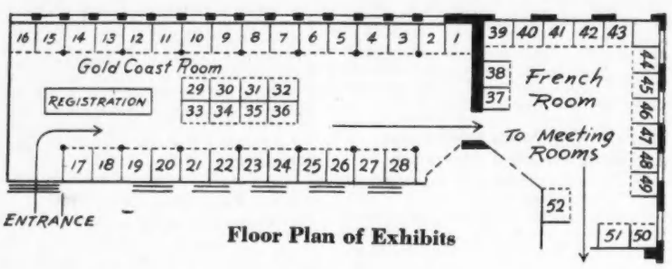
Booth 34

The Anderson-Prichard Oil Corporation exhibit will feature the use of "Apcothinner" in dipping enamel formulations, and deodorized thinners for brushing enamels. A variety of apparatus to test the drying rate, brushability, and odor of coatings formulated with various types of thinners will be demonstrated. Among those who will be present at the exhibit are:—C. H. Dresser, director of industrial naphtha sales of Anderson-Prichard; D. H. Litter, president of the D. H. Litter Company, New York; J. Loeffler, president of the Commerce Petroleum Company, Chicago; H. E. Easterday, Eastern division manager of Anderson-Prichard; B. Bertram, president of the Bertram Naphtha Company, Kansas City; and R. Schrader, manager of the Stevens Oil Company, South Bend, Ind. The booth is in charge of D. D. Rubek and R. E. Johnson, of the Chicago research division of the Anderson-Prichard Oil Corporation.

Archer-Daniels-Midland Company

Booth 5

The Archer-Daniels-Midland Company exhibit will feature products of the company which are especially applicable to national defense work. Among the products featured will be "Admoline," "A.D.M. 100" oil, "Kastolene," several new oil specialties, and a new special soybean protein. In attendance at the display will be S. O. Sorenson, technical director; J. W. Moore, director of special oil sales; J. C. Konen, of the technical department; and F. H. Eberman, of the Werner G. Smith Division.



Floor Plan of Exhibits

Atlas Electric Devices Company

Booth 25

The Atlas Electric Devices Company will exhibit and demonstrate their new Twin-Arc Weather-Ometer and auxiliary equipment. A display of test specimens will show the types of failure and speed now possible in accelerated weathering tests. Representatives at the demonstration will be C. W. Jameson, president; J. E. Norton, of the sales department; H. H. Jameson, superintendent; and Benjamin Williger, engineer.

Bakelite Corporation

Booths 44, 45 and 46

The main theme of the Bakelite Corporation exhibit will be based on the research and development now being applied on synthetic resins for essential coatings. Numerous samples of resins and panels coated with protective coverings containing Bakelite resins will be displayed. Among the members of the Bakelite Corporation present at the exhibit will be Dr. V. H. Turkington, Dr. R. J. Moore, Gordon Brown, Howard Smith, and Allan Brown.

Baker Castor Oil Company

Booth 31

All of the various types of "Castung" and regular castor oils produced by the Baker Castor Oil Company will be exhibited in this space. The "Castung" oils are modified castor oils of the dehydrated type, and are finding increasing use in the protective coatings industry. There will be in attendance at the booth R. D. Eno, manager of the "Castung" department; I. M. Colbeth, chemical director; and A. J. Geiges, manager of the technical sales service of the company.

Binks Manufacturing Company

Booth 23

Of particular interest in the Binks Manufacturing Company booth will be a display of the new Binks air motor operated paint mixers. They are designed for open and closed containers, and one special unit is especially adapted for laboratory use. E. F. Watts, vice-president; F. L. Terrill, B. J. Hedger, and E. P. Sullivan, of the sales department, will be present at the display.

Binney & Smith Company

Booth 41

The use of "Mapico" pigments and carbon blacks in the protective coatings industry in connection with the defense program will be shown by the Binney & Smith Co. "Mapico" yellows will be featured. Attending the convention, and present at the display at various times will be J. R. Keating, John T. Kealy, and R. H. Marston, of the sales staff; and J. S. Snyder, L. J. Venuto, and K. E. Burgess, of the technical staff.

Bramley Machinery Corp.

Booth 26

The display of the Bramley Machinery Corporation has been designed to emphasize the constructional, operation, and performance features of the Bramley mills. Modern installations of Bramley mills will stress the technical aspects of such machines, particularly under defense program conditions. B. M. Halpern, vice-president and general manager of the company, will be in charge of the exhibit.

Crown Can Company

Booth 24

The Crown Can Company booth will have on display a representative assortment of lithographed cans in various sizes suited for the manifold packaging requirements of the protective coatings industry. The representatives of the company present at the booth will be headed by F. Howard Braithwaite, vice-president in charge of general line sales.

J. H. Day Company

Booth 19

A comfortably furnished space, where members of the industry may linger to discuss their production problems, will be arranged by the J. H. Day Company. Among the company representatives present at the booth to welcome guests will be M. R. Sentman; A. Hildebrand, field representative; and R. F. Cone, Chicago representative of the company.

Diamond Alkali Company, Pure Calcium Products Div.

Booth 35

The properties of "Surfex" and "Multifex" paint ingredients will be illustrated by an assortment of panels prepared for the display of the Pure Calcium Products Division of the Diamond Alkali Company. The panels particularly emphasize the methods of obtaining maximum "mileage" for opaque pigments and vehicle solids by the proper use of "Surfex" and "Multifex." W. C. Bates, R. W. Craig, C. A. Althoff, and W. B. Blackmore will be present at the booth, and the services of the technical and sales staffs of the R. T. Vanderbilt Company and the D. H. Litter Company, distributors for Pure Calcium products will also be available.

Dicalite Company

Booth 20

Five different grades of Dicalite inert extenders and flatting agents will be on display in the booth of the Dicalite Company. The specific products are:—Dicalite standard filler, Dicalite No. 1, Dicalite PS, Dicalite white filler, and Dicalite "L" grade. The particular uses of each material as well as the latest developments in the use of inert extenders and flatting agents may be obtained at the booth from E. T. Frankenhoff, vice-president of the company; and Howard W. Hall, H. H. Bliss, and R. D. Kent, Dicalite sales engineers.

Dow Chemical Company

Booth 3

The Dow Chemical Company exhibit will feature several modern chemical derivatives which are finding increasing use in protective coatings. Included among such materials will be "Methocel," a water-soluble powder found valuable for alkyd emulsion paints and as a thickener for pastes and polishes; "Ethocel," a resinous ingredient for lacquers; "Dowicide" industrial germicides and fungicides, and "Styron," a clear resin for paints and lacquer bases. Also shown will be various solvents, plasticizers, and phenols used in resin manufacture. Representatives at the display will be A. E. Young, N. R. Peterson, C. R. Webster, J. W. Harris, M. B. Turner, and J. L. Sherk.

Engineer Board, Fort Belvoir

The exhibit of the Camouflage section of The Engineer Board, will employ scale models to show the technique of concealment of installations, such as airfield runways and hangars, industrial plants, oil storage tanks, and other structures. An important section of the display will also endeavor to emphasize the difference between camouflage during World War I and the present time. The importance of paints in such protective concealment will be emphasized.

Falk & Company

Booth 29

An animated display of placards setting forth the properties of its products will occupy one section of the booth of Falk & Company. The back of the booth will consist of test panels showing results obtainable through the use of Falkoloid emulsions; of Falkovar NS, the new consistency control; and of Falkovar SKA, the general-purpose interior paint oil. Present at the exhibit will be Louis J. Reizenstein, president; David Lewis, vice-president; J. W. Church, technical director; Karl Engerud, chief chemist; S. S. Gutkin, synthetic resin chemist; S. D. Rogaliner, of the Pittsburgh staff; and Fred Wolf, Chicago laboratory chemist.

General Electric Company

Booth 9

A display of its Glyptal resins has been prepared by the General Electric Company. Again this year a competitive prize contest will be run in connection with the exhibit. Attending the show for G-E are C. K. Mead, C. S. Ferguson, E. L. Feininger, A. O. Doherr, J. E. Russell, P. E. Doell, C. H. Gross, F. M. Hasting, A. C. Slootmaker.

Great Western Mfg. Company
Booth 49

The Great Western Manufacturing Company will have in operation one of its Combs gyratory liquid screening and straining machines in its exhibit at the Paint Show. In attendance at the convention will be E. C. Schroeder, milling engineer; P. L. Wilson, vice-president; and J. E. Baker, secretary of the company.

Hercules Powder Company
Booths 15 and 16

A complete line of synthetic resins, naval stores materials, and cellulose products will be displayed by the Hercules Powder Company. The Naval Stores department of Hercules will be represented at the show by P. Mayfield, director of sales; R. T. Yates, manager of domestic sales; J. M. Schantz, manager of technical service; and several branch managers. The Cellulose products division will be represented by M. G. Milliken, general manager; J. B. Wiesel, director of sales; J. H. Rile, sales manager; D. R. Wiggam, manager of technical service; and several branch managers.

Johns-Manville Corporation
Booth 7

Technical data on the manufacture of lusterless enamels and undercoats to meet finishes specifications for army equipment and other defense material through the use of Celite extenders and flatting agents and Celite filter-aids, will be available at the Johns-Manville exhibit. Among those in attendance at the booth will be A. Elsenbast, vice-president; W. D. Van Arnum, general sales manager; C. J. O'Neil, staff engineer; H. N. Haberstroh, district sales manager; R. E. Parry, manager of the finishes laboratory; and J. W. Plauka, chemist of the finishes laboratory.

Spencer Kellogg & Sons, Inc.
Booth 38

Spencer Kellogg & Sons, Inc., will feature several new products, "Kellin," "Kellsoy," and "Synthenol," in its exhibit. "Synthenol" is a new dehydrated castor oil. Also shown will be samples of some forty special-refined linseed and soybean oils manufactured by the Kellogg organization. Panels coated with varnishes incorporating "Kellin," "Kellsoy," and "Synthenol" will be included in the display. The booth will be in charge of E. H. Valance, manager of the technical service department, assisted by R. A. Nagel and D. Farstead, of the department. Daniel J. Healy, Eastern divisional manager, and Dr. N. A. Albertsma, of the research laboratory, will also attend the convention.

Kent Machine Works
Booth 42

A display of photographs manufactured by the Kent Machine Works for the paint industry and several pieces of laboratory equipment will be shown in this space. The exhibit will be in charge of Elmer P. Peters, vice-president, and Fred Weitzner, of the Kent organization.

Krumbhaar Chemicals, Inc.
Booth 30

The booth of Krumbhaar Chemicals, Inc., will be comfortably appointed so as to afford visitors to the show an opportunity to discuss the synthetic resin products and recently published literature of the company. Exhibit "A" in the booth will be W. Krumbhaar, president of the company. In addition, a number of members of the metropolitan sales agent of Krumbhaar Chemicals, the D. H. Litter Company, will be on hand to discuss technical problems.

J. M. Lehman Company
Booth 6

A photographic display of its various models of paint mills has been prepared by the J. M. Lehman Company for its booth. E. E. Meuser, president of the company, and Hugh Kelly, sales representative, will be present at the display to discuss roller mill operation and the construction and manner in which optimum results may be obtained with the mills manufactured by the Lehman company.

Liquid Carbonic Corporation
Booth 53

The Liquid Carbonic Corporation display will show a hook-up of carbon dioxide cylinders for introducing carbon dioxide into the varnish kettle or ester gum cooker. The carbon dioxide serves to agitate the mass and cover the reactants with an inert blanket, thus preventing scum and the oxidation of the ingredients. F. C. Miller, C. R. Skidd, and Robert Mathei will be present at the booth.

National Carbon Company
Booths 21 and 22

A Model X-1-A accelerated weathering unit of its manufacture will be shown and demonstrated at the show by the National Carbon Company. The accuracy and speed with which this machine produces outside exposure test results is declared to have led to its wide use for the accelerated weathering of paints, varnishes, lacquers, and other protective coatings. C. E. Heppberger, R. P. Young, and G. H. Mayer, jr., sales manager of the Chicago district, will be on hand at the exhibit.

Neville Company
Booth 37

The Neville Company display will consist of the various coaltar chemicals used in the nation's industries. Among such materials will be various Neville resins; the complete line of Neville solvents, including the three high-boiling "Cosols" developed last year; Neville plasticizing oils; and various Neville coaltar specialties. A special novelty feature at the display, whereby visitors to the booth are invited to be "murdered," has also been concocted for the show. The nature of the feature is not divulged. Representing the company at the exhibit will be H. N. Dauler, president; E. R. Coyle, sales manager; L. V. Dauler, assistant sales manager; L. M. Geiger, of the technical sales staff, and possibly others.

Newport Industries, Inc.
Booth 27

An attractive, newly designed display will house samples of the full line of products manufactured by Newport Industries, Inc. Among these will be several new chemical compounds, stated to constitute major innovations in naval stores technology, which were only recently developed by the Newport laboratories. The zinc resinates manufactured by the company will be featured in the exhibit. In attendance at the show will be E. V. Romaine, director of technical sales; R. J. Spitz, sales manager; Edwin Edelstein, of the research department; and various representatives from the New York and branch offices of the company.

Nuodex Products Company
Booth 33

The display of the Nuodex Products Company at this year's show is built around the theme "Nuodex Serves the Paint and Varnish Industry." The eight major services which Nuodex furnishes to the industry are chronologically listed and graphically described in the exhibit. H. M. Johnson, vice-president of sales, will be in charge of the exhibit. He will be assisted by Arthur Minich, vice-president of manufacturing; Robert A. Allen, chief chemist; and J. W. Van Tuin, and A. C. Mueller, technical representatives.

Owens-Illinois Can Company
Booths 13 and 14

A complete line of tin and steel containers for paint and related materials will be displayed at the show by the Owens-Illinois Can Company. The company members attending the show are S. J. McGiveran, vice-president and general sales manager; H. P. Thelen, manager of the paint and varnish division; G. E. Kummerow, manager of the Chicago district; J. F. Adams, national accounts manager; and C. E. McLaughlin, merchandising manager.

Paramet Chemical Corporation
Booth 10

The Paramet Chemical Corporation exhibit will consist of a large, illuminated reproduction of the company trademark. Around this symbol the Paramet organization plans to arrange a comfortable space where visitors may secure data, technical and otherwise, regarding the company's synthetic resins. Paramet will be represented at the show by B. W. Slater, secretary of the company; C. Homer Flynn, sales manager, and A. Boardman and J. Gloeckler, of the technical division.

Reichhold Chemicals, Inc.
Booth 52

Samples of the synthetic resins and chemical color pigments manufactured by Reichhold Chemicals, Inc., will be displayed in this space. Members of the Reichhold organization who will be in attendance at the exhibit are H. Reichhold, C. J. O'Connor, P. L. Swisher, G. R. Miller, C. J. Kaiser, O. F. Johnson, L. T. Fay, Arthur Field, W. W. Klug, Dr. C. A. Knauss, and R. T. Urich.

Resinous Products & Chemical Company
Booth 43

The Resinous Products & Chemical Company exhibit will show the wide range of products and services offered by the company for the paint and varnish industry. Among products on display will be the "Amberols," phenol-formaldehyde resins; and newly developed "Amberlite" ion exchange resins. Those in attendance at the show will include:—E.C.B. Kirsopp, W.T. Pearce, H.C. Cheetham, C.F. Pickett, V.N. Sheets, G.W. Cooke, G.T. Sohl, F.L. LaMar, J.A. Toussaint, and R.P. Goodale.

Shell Oil Company
Booths 50 and 51

The display of the Shell Oil Company will stress the completeness of the line of Shell petroleum derivatives offered for industrial consumption. Featured will be the naphthas and solvents of particular interest to the American paint industry. Representatives present at the booth will be B.G. Symon, manager of the technical products department; F. Preu, assistant manager of the technical products department; B.W. Conn, of the technical products department staff in New York, and O.M. Fager, of the same department staff in Chicago.

Shellac Information Bureau
Booth 55

A collection of panels showing the results of tests conducted at the Brooklyn Polytechnic Institute to determine the durability and other qualities of shellac finishes will be displayed in the exhibit of the Shellac Information Bureau. Panels showing new developments in cabinet finishes in which shellac only was used will also be shown. The exhibit will be in charge of Gordon Obrig, technical adviser of the bureau.

Sparkler Manufacturing Company
Booth 2

The Sparkler Manufacturing Company will display a laboratory-sized filter especially equipped for varnish clarification, one of its regular production-sized filters, and a glass filter. Members of the company who will be present at the display are A. G. Kracklauer, president; W. J. Kracklauer, sales manager; W. G. Dappert, purchasing agent; L. E. Evans, Western representative; and R. W. Hildebrandt, H. Corrodi, Arthur LaQueur, and P. S. Blomberg.

Stroock & Wittenberg Corporation
Booth 18

An assortment of natural and synthetic resins will be exhibited at the Stroock & Wittenberg Corporation display. Supplementing the materials shown will be technical data literature, which will be available for visitors to the booth. Attending the convention for the Stroock & Wittenberg organization will be A. J. Wittenberg, president; and W. A. Weismann and A. A. Schelling.

Thompson, Weinman & Co.
Booth 39

The technical advantages of a new inert for use in paint and enamel formulations will be shown in the booth taken by Thompson, Weinman & Co. Known as "Atomite," the new material is said to be the result of five years of research. To show the quality of "Atomite," the company will exhibit electron micrographs at 36,000 magnifications; draw-downs showing the relation of particle size to oil absorption, and tests showing how grit and oversize particles cause mill stain. A sample of "Atomite" dental powder will be given to visitors. Company representatives at the booth will be Holland W. Smith, vice-president; A. R. Lukens, director of research; and Victor J. Babel, paint technician.

Arthur C. Trask Company
Booth 8

The Arthur C. Trask Company will exhibit several new types of refined fish oils now being produced by the Murray Oil Products Company, whom they represent. Samples of natural varnish gums will also be shown. Among the representatives who will be on hand during the show are Arthur C. Trask, Hugh Trask, Eugene Trask, and W. G. Rogers. Fred E. Loud and R. C. Rollins, of the Murray Oil Products Company; Walter Kreig, of William H. Scheel, Inc.; and Warren Trask, of the Geuder, Paeschke & Frey Company, also are expected to be present. The Trask company acts as sales agents for these latter organizations.

Turpentine and Rosin Factors
Booth 54

A large section of a pine tree has been shipped from the South for use in the Turpentine and Rosin Factors display. The tree section, with cups and other accessories in place, will show the actual method employed in obtaining turpentine oleoresin. Photos of various operations and sample cans of naval stores materials will also be exhibited. The booth will be in charge of Frank E. Gallagher, sales manager, and P. J. Rooney, manager of the packages division of Turpentine and Rosin Factors.

U.S. Color Card Company
Booth 1

The U. S. Color Card Company will demonstrate a color card chip mounting machine in its booth. Operators will apply chips to a special color card that will be handed out to visitors of the convention. The card will indicate the variety of chips which the company can furnish paint manufacturers. Members of the U. S. Color Card Company who will attend the exhibit are Allen B. Ripley, president; Joseph F. Thompson, sales manager; Oliver J. Lunn, factory superintendent; and George W. Vezina, superintendent of the printing department.

Williams Sealing Corporation
Booth 17

The booth of the Williams Sealing Corporation will show the semi-automatic capping machines used to apply "Kork-N-Seal" caps to various types of protective coatings containers. Sample packages from many of the nationally known manufacturers using "Kork-N-Seal" caps also will be displayed. The booth will be in charge of C.A. Goltermann, vice-president in charge of sales. Others present will be V. R. Hoffman, J. W. Cotchett, G.

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H. Schaeffer, jr.; and J. C. Skinner, production manager.

Wilson & Bennett Mfg. Co.
Booth 47

A display of the various types of steel drums which the Wilson & Bennett Mfg. Co. regularly supplies to the paint and allied industries has been arranged for this space. Gordon D. Zuck, manager of the food and chemical container division of the Wilson & Bennett Mfg. Co. will be in charge of the representatives attending the exhibit.

Woburn Degreasing Company
Booth 40

Samples of the new isomerized linseed and soybean oils, "Conjulin" and "Conjusoy," developed by the Woburn Degreasing Company of New Jersey, will be featured in this display. Also shown will be samples of the general line of water-white fatty acids of vegetable and animal origin manufactured by the company, and samples of "SpraKast," the new insecticide made from castor plants. Woburn's booth will be in charge of J. E. Good, vice-president, and George W. Priest, technical advisor.

Naval Stores Plant In Vidalia, Ga., Planned

A plant for the distillation of naval stores will be erected at Vidalia, Ga., according to W. C. Rice, a well-known Georgia operator. The plant will be modernly equipped and will cost approximately $60,000. It will operate on gum produced in the Vidalia area.

Farnow Varnish to Move

The Farnow Varnish Works plans to move its plant from Brooklyn to Long Island City, where it has acquired the former Edward Smith varnish plant. Office and laboratory will be located at 4-80 Forty-seventh road, Long Island City.

Hydrocarbon Chem. Now Hycar

The corporate name of Hydrocarbon Chemical & Rubber Company, Akron, Ohio, jointly-owned enterprise of the B. F. Goodrich Company and the Phillips Petroleum Company, has been changed to Hycar Chemical Company.

Trade Briefs

"Alclad," exclusive trade-mark of the Aluminum Company of America, has been released by the company in the interests of national defense.

Baltimore Paint Salesmen's Association has named Samuel A. Saltsman, of the John W. Lewis Brothers Company, to head its slate of officers for 1942.

Pennsylvania Glass Products Company, Pittsburgh, Pa., is now occupying its new four-story building at 428-432 Craig street, which is equipped with modern lighting and air-conditioning systems.

Plastic & Rubber Products Company is the firm name under which Volney S. Anderson and Nathan O. Hulsey have obtained a certificate to conduct business at 2100 Hyde Park boulevard, Los Angeles, Calif.

Fish-scale luster suspension in amyl acetate, for use as a lacquer, has been held subject to import duty at 25 percent ad valorem under paragraph 66 of the tariff act. This rate will become effective November 2.

Pittsburgh Plate Glass Company is making extensive alterations at its Baltimore plant.

Devoe & Raynolds Company, this city, has called for redemption on January 1, 1942, its outstanding cumulative 7 percent preferred stock at $115 per share.

Paint or enamel use on automobiles would be restricted to one priming coat and two finish coats under a proposed plan for automobile allotment which would release raw materials for defense needs.

Glidden Company, paint manufacturer, Cleveland, plans to borrow $7,000,000 in loan term notes, to provide additional working capital needed because of rising volume of business, higher inventories and heavier taxes.

Paint specifications of Federal governmental agencies, as revised to date, have been compiled by G. G. Sward, of the scientific section of the National Paint, Varnish and Lacquer Association as circular 627 of the section. The compilation includes Federal specifications for paint materials, as well as finished products, and lists also relevant A.S.T.M. specifications.

Oil, Fats, and Waxes

Refined Cottonseed Oil Futures Decline Sharply — October Consumption Figures Smaller Than Expected—Lard and Other Markets Down—Linseed Oil Reduced by Crushers

An easier tone developed in the markets for miscellaneous oils, fats and greases last week, declines being recorded in some products of importance and the tendency of others apparently being downward. The weaker situation was the result mainly of a sharp decline in refined cottonseed oil, lard and soybean futures as well as a downward course in other speculative commodities. The announcement of a trade agreement with Argentine which provides for a material reduction in the duty on importations of various commodities from that country also had a depressing influence. Business was quiet. In a survey of the oils and fats situation the Bureau of Agricultural Economics at Washington stated that a high level of domestic demand for fats and oils and substantial purchases of lard for export are in prospect for 1942 and that prices for fats and oils will probably average higher next year than this.

Vegetable Oils

Castor, Dehydrated.—Steady movement to local and other buyers. Firm with basic material.

Chinawood.—Good inquiry. Offerings comparatively small. Tone firm.

Coconut.—Crude 7½c., tankcars decline of ⅛c. Fair inquiry. Refined in moderate demand and steady.

Corn.—Inquiry and offerings light. Nominal quotations ½c. to ¾c. lower.

Oiticica. — Quotations maintained. Tone firm. Offerings light, spot and futures.

Olive.—Denatured and edible remained firm. Supplies generally light. Inquiry fairly active.

Peanut.—Crude and refined quiet. Nominal quotations reduced about ½c. Government estimated peanut crop 1,480,280,000 pounds, 1.2 percent less than month earlier and 15 percent less than 1940.

Rapeseed.—Drums quoted 15¼c. to 15½c. per pound, according to quantity. Fair demand.

Soybean.—Trade quieter. Offerings somewhat freer. Quotations shaded ½c. by some sellers. Government says no frost damage to beans and major portion of crop now past danger of later damage.

There was no trading in soybean oil futures on the New York Produce Exchange from October 11 to October 17, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	...	...	10.25 Nom.
December	...	...	10.25 Nom.

Price Changes

Advanced

None

Reduced

Coconut oil, crude, ⅛c. per lb.
Corn oil, ½c. per lb.
Cottonseed oil, crude, ½c. per lb.
Lard, 25c. to 90c. per 100 lbs.
Linseed oil, 6-10c. per lb.
Peanut oil, ½c. per lb.
Rapeseed oil, ¼c. per lb.
Soybean meal, $1 per ton.
Soybean oil, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
173.8	**175.2**	**174.7**	**95.5**

Market news that may have developed after this report was sent to press will be found on page 4.

Degras

Demand for degras continued good last week and the market remained firm at the recent advance despite weakness in some other fats and oils. There has been a steady movement of both common and neutral degras into consuming channels for some time past, the requirements of consumers being sufficient to prevent any burdensome accumulation of supplies. Common degras was quoted last week at 8½c. to 8¾c. per pound against 8c. to 8¼c. at this time last year and 9½c. to 10c. two years ago, while neutral was held at 16c. to 19c. per pound as compared with 13½c. to 16½c. in 1940 and 12c. to 15c. in 1939.

Production of degras during the first half of the current year was 7.005.000 pounds, according to official statistics. This compared with an output of 3,205,000 pounds in the same time last year and 2,616,032 pounds in the corresponding period of 1939. Consumption during the first half of 1941 was 4,796,000 pounds against 3,297.000 pounds in the first half of 1940 and 2.509,696 pounds in the same time in 1939. Importations during the first half of the present year were 485,513 pounds against 1,741,322 pounds in the same time last year and 2,051,414 pounds during the first half of 1939.

Markets at Other Centers

Chicago—Oct. 17

Vegetables oils rather quiet.

Coconut.—Refined, edible, 13¼c. to 13½c. per pound, drums, car lots; 13¾c. to 14c., drums, less car lots.

Corn.—Refined, edible oil, 15½c. to 15¾c. per pound, drums, car lots.

Soybean. — Crude, October - forward, 10⅛c. to 10¼c. per pound.

The market for soybean futures on the Chicago Board of Trade was active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Oct. 17.	Closing Oct. 10.
Cash, No. 2	$1.60	$1.47½	....	....
December	1.66½	1.49½	$1.56¾	$1.60¾
May	1.71½	1.54½	1.61¼	1.71½

San Francisco—Oct. 15

Interest in all vegetable oils with a broader turnover possible if supplies permitted.

Coconut.—Sales at 6½c. per pound in tankcars. Copra, 4.10c.

Chinawood.—Sales at 34¼c. per pound in tankcars.

Oiticica.—Offerings limited. Solid oil at 22c. per pound in drums; liquid at 23c.

Babassu.—Quoted 9⅜c. per pound, tankcars.

Cottonseed. — Crude California quoted 12c. per pound, tankcars.

Palm, Crude.—Sales at 7c. per pound, tankcars.

Palm, Kernel.—Nominal at 7⅝c. per pound, tankcars.

Castor, Crude.—Quoted 11c. to 11¼c. per pound, tankcars, f.o.b. Los Angeles.

Rapeseed.—Argentine oil, denatured and refined, 10¼c. per pound, tankcars, November - December shipment, f.o.b. Pacific Coast ports.

Linseed Oil

Flaxseed in downward trend in domestic markets. Linseed oil reduced. Meal steady.

Flaxseed. — Duluth, Oct. 17. — Heavier offerings of cash flaxseed, weakness in soybeans and prospects of cheaper Argentina seed dropped domestic flax prices. Shortage of storage space also attracted attention.

The week's closing flaxseed price range was as follows:—

	Cash.	Dec.
Saturday	$1.78½	$1.81½
Monday	....	....
Tuesday	1.82¼	1.85¼
Wednesday	1.79½	1.83
Thursday	1.70	1.75
Friday	1.73	1.76

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	196,000	108,946	.....	9,738
Since Aug. 1.	2,084,159	4,212,750	1,479,495	2,185,373

Minneapolis, Oct. 17.—Good dry flaxseed was in sharp demand during the past week and prices for lower moisture quality, under 10 percent test, were 1c. higher compared with futures. A car of North Dakota flax received today tested up to 14.8 percent of moisture. Some of the North Dakota flax is black and scabby.

Over half of the crop has been marketed and the movement is slowing down. The last break in futures discouraged farm selling and movement to interior elevators is light at the moment.

Currently at least 75 percent of the incoming flax shows rainy harvest damage and no improvement in average quality is expected until farmers in the southern producing area begin to sell again.

The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.82½	$1.87	$1.89
Monday	....	....	....
Tuesday	1.87¼	1.91¼	1.93
Wednesday	1.84½	1.87½	1.90½
Thursday	1.77	1.75	1.79
Friday	1.78	1.78	1.81

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	420,000	133,000	19,600	63,000
Since Sept. 1.	4,944,600	6,499,800	505,200	548,900

Winnipeg, Oct. 17.—The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.52¼	$1.43½	$1.42½
Monday	....	....	....
Tuesday	1.52	1.42¼	1.41½
Wednesday	1.48½	1.41	1.40¼
Thursday	1.50	1.44½	1.44¼
Friday	1.50	1.47	1.46½

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Oil Trades Ass'n of New York, annual banquet, Waldorf-Astoria, Oct. 28.

Flax Institute, annual meeting, Minneapolis, Nov. 21.

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Single Pressed and Double Pressed
Available in either cake or flake form
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RUBY OLEINE BRAND (*distilled*)
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Buenos Aires, Oct. 17.—Flaxseed, November, 82⅞c. per bushel. Exports this week 567,000 bushels, including 449,000 bushels to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Last year.
United States	16,795,000	10,420,000
United Kingdom	2,022,000	5,896,000
Continent	977,000	11,856,000
Orders	.....	606,000
Others	1,321,000	1,123,000
Totals	21,115,000	29,901,000

Visible Supply

	Bushels.
Last week	24,606,000
Previous week	20,669,000
Last year	5,118,000

Hull, Oct. 17.—Flaxseed, La Plata, £123/3 per long ton; Calcutta, £19¼.

Linseed Oil.—An easier tone developed in the local market. The trend of domestic flaxseed prices was downward and linseed oil quotations were reduced six points. There was a steady movement of oil to consumers and dealers on contracts. New business was quiet, however, consumers being disposed to hold off for further developments in view of the announcement that effective November 15 the duty on importations of flaxseed from Argentina will be reduced from 65c. per bushel to 32½c. per bushel. Receipts of seed in Northwestern markets were lighter while demand continued active.

Minneapolis, Oct. 17.—There was quite a spurt in oil trade during the past week due to the decline in prices. Statistical news is bullish and sharply higher prices are expected unless liberal quantities of Argentine flax are brought into the country.

Quotations on tankcar lots f.o.b. Minneapolis, 10.2c. per pound; cooperage car lots, 11.1c. per pound; warehouse lots, 11.5c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	4,550,000	4,080,000
Since Sept. 1	34,750,000	27,600,000

San Francisco, Oct. 15.—Linseed oil quiet. Tanks, 10c. per pound; drum lots ex mill, 10.9c.; drum lots ex warehouse, 11.3c.

London, Oct. 17.—Linseed oil, 41s., 6d. per cwt.

Cake and Meal.—Local market steady. Contract movement of meal held up well. New business quiet.

Minneapolis, Oct. 17.—A sharp decline in soybeans unsettled linseed meal prices and trade is light.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $38 to $39 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	8,640,000	4,320,000
Since Sept. 1	70,690,000	45,641,000

Flaxseed Crop October 1 Estimate Off

The Department of Agriculture estimate as of October 1 of the 1941 flaxseed crop was 31,825,000 bushels. This compared with an estimate a month earlier of 31,900,000 bushels and with a production last season of 31,217,000 bushels. This 1941 crop ranks as the second largest on record. Yield prospects showed no change from the first of September in Minnesota and North Dakota, the two leading flax states, but unfavorable weather conditions caused an unusual delay in harvesting which resulted in some injury to the quality of the seed.

Details of the October 1 estimate with respect to the several producing states follow:—

	Yield per acre—Bushels			Production—Bushels		
	Average. 1930-39.	1940.	Indicated. 1941.	Average. 1930-39.	1940.	Indicated. 1941.
Illinois	...	15.0	14.5	.....	96,000	261,000
Michigan	8.7	9.0	9.0	64,000	72,000	54,000
Wisconsin	10.7	13.0	12.0	62,000	247,000	180,000
Minnesota	8.3	10.5	10.5	5,902,000	16,695,000	14,858,000
Iowa	9.2	14.0	12.5	235,000	2,520,000	2,925,000
Missouri	4.4	6.0	6.5	14,000	18,000	26,000
North Dakota	4.3	6.0	7.0	2,895,000	3,888,000	5,215,000
South Dakota	4.5	6.5	9.5	774,000	1,904,000	2,308,000
Nebraska	5.4	10.0	8.0	25,000	20,000	40,000
Kansas	6.1	9.0	8.0	341,000	1,314,000	1,088,000
Oklahoma	...	7.0	7.0	.....	119,000	140,000
Texas	...	6.0	6.5	.....	174,000	104,000
Montana	3.7	7.5	7.0	416,000	990,000	1,050,000
Idaho	...	8.0	11.0	.....	40,000	55,000
Arizona	...	18.5	21.0	.....	240,000	315,000
Washington	...	9.5	12.0	.....	48,000	12,000
Oregon	...	6.0	13.0	.....	24,000	26,000
California	17.1	21.0	16.0	745,000	2,814,000	3,168,000
United States	6.4	9.7	9.9	11,269,000	31,217,000	31,825,000

Cottonseed Oil

Refined oil features sharply lower here. Southern markets weaker.

Cottonseed Oil.—Refined oil futures declined sharply in the local market last week in company with lard, soybeans, grain and other commodities. Weakness in the stock market and depressing war news also had a tendency to create bearish sentiment. Local, Western and Southern operators were credited with selling for both long and short account. Stop loss orders were uncovered on the way down. Trade interests bought on the decline and shorts covered.

Southern markets for cottonseed products were weaker. A movement to secure a government loan of 14 cents per pound on crude oil had only a temporary strengthening influence. There was considerable switching from near to distant positions at differences of 2 to 10 points. Further moderate tenders were reported on

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For a drying oil of superior quality, use Woburn Dehydrated Castor Oil — ISOLINE — (U.S. Patent 1,892,258). White protective coatings made with ISOLINE are lighter and do not "after yellow".

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For high quality soaps, use Woburn Fatty Acids. Consult our Technical Department for advice on the proper Fatty Acid to be used in making your Special Soaps. The use of Fatty Acids reduces the cost of making soaps.

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Martin, Hoyt & Milne, Inc.
Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

October contracts. The open interest in the market October 15 was 1,680 contracts against 1,611 a week earlier.

The October government report was disappointing to some, the consumption during the month being 297,635 barrels, making a total for the first two months of the season of 529,112 barrels against 566,546 barrels in the same time last season. The visible supply showed an increase during October of 425,400 barrels against an increase in the same month last year of only 146,800 barrels.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from October 11 to October 17, inclusive, comprised 1,307 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.	
January	13.26	11.46	12.10	sale
March	13.37	11.50	12.16	sale
May	13.34	11.50	12.19	sale
October	13.45	13.00	.....	
December	13.30	11.45	12.10@12.15	

Chicago, Oct. 17.—Cottonseed oil fairly active. Refined, edible oil is 15¾c. to 16c. per pound, drums, car lots; and 16¼c. to 16½c. per pound, drums, less than car lots.

Hull, Oct, 17.—Cottonseed oil, refined, 36s., 6d. per cwt.; crude, Egyptian, 31s., 1½d.

Cake and Meal.—Quieter conditions prevailed in Southern markets and the tone was easier.

Markets at Other Centers

Atlanta—Oct. 15

Prime crude cottonseed oil quoted around 12¼c. per pound. Eight percent meal $38 per ton. Weather favorable for picking cotton. Percentage gathered and ginned 10 to 15 percent greater than normal for this period.

Memphis—Oct. 16

Crude cottonseed oil market demoralized. No trading. Buyers and sellers indifferent. Cottonseed meal under liquidation in Memphis pit but selling by mills ceased temporarily. Spot meal quoted $33.50 per ton, Memphis basis, 41 per cent. Bulk Valley cake nominally $30 per ton. Bulk hulls $5 per ton. Seed $52 per ton. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Oct. 9.	Oct. 16.
October	$35.25@36.25	$32.00@—
December	35.25@—	32.60@—
January	36.00@—	32.60@—
March	36.25@—	33.45@—

Closing soybean meal futures:—

October	$36.00@—	$31.00@—
December	33.65@—	29.50@—
January	33.20@33.80	29.25@—
March	33.40@33.65	29.25@—

Fatty Acids

Capric Acid.—Demand continued good. Quotations maintained. Tone firm.

Cottonseed Oil.—Steady contract movement. New business quieter. Prices steady.

Sebacic Acid.—Available in small or moderate lots at 82c. per pound.

Soybean Oil.—Consumption apparently holding up well. New business less active.

Stearic Acid.—Steady movement on contract and new orders. Market firm. Imports in July 11,256 pounds.

Chicago—Oct. 17

Fatty acids in good demand. Corn oil, double distilled, 14¼c. to 14½c. per pound, tankcar; 14¾c. to 15c., drums, car lots; 15¼c. to 15½c., drums, less car lots; coconut, acidulated, 15¾c. to 16c. per pound, tankcar; 16¼c. to 16½c., drums, car lots; cottonseed oil, double distilled, 13½c. to 13¾c. per pound, tankcar; 14c. to 14¼c., drums, car lots; cottonseed foots, 60-62 percent basis, 3⅜c. to 3⅝c.; boiled down soap stock, 65 percent basis, 4⅜c. to 4⅝c.; cottonseed foots, 3½c. to 3¾c.

Fish Oils

Cod.—Primary situation reported firm. Local market quiet and steady.

Menhaden.—Local refined quotations maintained. Fair demand for moderate lots.

Sardine.—Refined oil firm. Moderate quantities fairly active.

Sperm.—Placed under full priority control, effective October 16.

Markets at Other Centers

Baltimore—Oct. 15

Weather improved and menhaden fishing in Chesapeake Bay better, both quantity and quality. Crude oil sold at 61c. per gallon; later 63c. Florida fishing stopped; some on North Carolina coast.

San Francisco—Oct. 15

Crude sardine oil quiet. Offered at 62½c. per gallon, tanks. Estimated all but 200 to 250 tanks of anticipated production for season already sold.

Fats and Greases

Grease.—Fair local and outside demand. Quotations generally maintained.

Chicago, Oct. 17.—Choice white grease, 8¾c. to 9c. per pound; yellow, 8c. to 8⅛c.

Lard.—Local cash trade fairly active. Hog movement larger. Government purchased 6,420,045 pounds during week ended October 11.

Chicago, Oct. 17.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Oct. 17.	Oct. 10.
Cash	$9.82	$8.70	$9.07	$10.12
December	10.22	8.75	9.25	10.20
March	11.60	10.20	10.72	11.72

Stearin.—Fair spot demand. Stocks reported light or moderate.

Chicago, Oct. 17.—Prime oleo stearin, 10c. to 10¼c. per pound.

Tallow.—Moderate lots in fair demand. Offerings generally light. Effective November 15 duty and tax on imports from Argentina reduced one-half.

Chicago, Oct. 17.—Inedible tallow, 8¾c. to 9c. per pound; special, 8¼c. to 8½c.

Animal Oils

Degras.—Firm at recent advance. Demand good, common and neutral.

Lard.—Quotations maintained. Fair demand on spot.

Neatsfoot.—Stocks generally light. Demand fairly active. Effective November 15 duty and tax on imports from Argentina reduced one-half.

Oleo.—Local trade fairly active. Spot stocks moderate. Tone firm. Government purchased 442,000 pounds during week ended October 11.

Chicago, Oct. 17.—Extra oleo oil, 11½c. to 11¾c. per pound.

Tallow.—Quotations stationary. Demand fair.

Waxes

Bees.—Market strong in all aspects. Demand excellent. Supplies not too ample, mainly because of difficulty in getting normal shipments of crude, especially from Portugal. Refined yellow and white bleached material in fairly tight position.

Candelilla.—Firm to strong. Stocks below normal. Demand running strong and showing signs of gain.

Carnauba.—No weakness in Brazil. On the contrary, values there keenly supported. Excellent demand accounts for strong position. Local values strongly upward in tendency. Stocks not too plentiful.

Japan.—Fairly active along not expansive lines. Prices about steady.

John K. Colgate has been elected a member of the board of Colgate-Palmolive-Peet Company, Jersey City.

Margarin Production Increased in July

Production of margarin in July totaled 27,692,790 pounds. This compared with 22,020,756 pounds in July last year, according to statistics compiled by the Bureau of Internal Revenue, Washington. A comparison of July production with that of the previous year follows:—

	Pounds— 1941.	1940.
Production of uncolored oleomargarin	*27,084,597	†21,812,339
Withdrawn tax-paid	25,862,439	22,044,758

Ingredients used in the production of colored and uncolored margarin in July, 1941, compared with July, 1940, follows:—

In Uncolored Margarin

	Pounds— 1941.	1940.
Babassu oil	....	594,310
Butyric acid	1	....
Coconut oil	2,373,766	1,158,643
Corn oil	55,016	....
Cottonseed oil	11,394,598	8,515,202
Derivative of glycerin	59,199	70,691
Diacetyl	15	....
Lecithin	15,372	6,748
Milk	4,821,451	4,225,009
Monostearin	12,138	....
Neutral lard	645,364	312,360
Oleo oil	1,270,659	1,109,738
Oleo stearin	236,661	280,807
Oleo stock	135,420	95,839
Palm oil	667,162	....
Palm stearin	22,237	....
Peanut oil	221,204	- 64,994
Salt	926,047	675,639
Soda benzoate	14,263	8,820
Soybean oil	4,852,709	5,376,339
Soybean stearin	618	....
Vegetable gum	....	6
Vitamin concentrate	1,751	974
Totals	27,725,646	22,696,126
Production of colored oleomargarin	‡280,270	§208,417
Withdrawn tax-paid	46,198	21,170

* Of the amount produced, 20,684 pounds were reworked.

† Of the amount produced, 59,091 pounds were reworked.

‡ Of the amount produced, 48 pounds were reworked.

§ Of the amount produced, 5,458 pounds were reworked.

Note:—The figures for July, 1940, and July, 1941, are subject to revision until published in the Commissioner's annual report.

In Colored Margarin

	Pounds— 1941.	1940.
Babassu oil	....	723
Butter flavor	1	3
Coconut oil	100,381	102,616
Color	211	149
Corn oil	31	....
Cottonseed oil	18,622	11,025
Cottonseed stearin	....	630
Derivative of glycerin	301	644
Lecithin	36	125
Milk	97,544	39,251
Monostearin	308	....
Neutral lard	5,131	5,333
Oleo oil	34,540	13,282
Oleo stearin	....	1,288
Oleo stock	4,819	350
Palm stearin	6,005	....
Peanut oil	64	17
Salt	8,709	9,220
Soda benzoate	75	65
Soybean oil	68,931	25,914
Soybean stearine	....	690
Vitamin concentrate	2	2
Totals	335,711	211,349

Benjamin J. Kavanaugh, who operates a rendering plant at 1100 Hardord avenue. Baltimore. is planning the erection of a new establishment near Rosedale. which will be housed in a one and two-story structure. 60 by 100 feet.

Cottonseed Crushings Up

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to September 30, 1941, and 1940, according to the Census Bureau, were as follows:—

Cottonseed

	Tons— 1941.	1940.
Receipts	1,145,117	725,422
Crushed	526,663	434,299
On hand, Sept. 30	748,983	330,630

Crude Oil

	Pounds— 1941.	1940.
Produced	163,278,000	135,500,000
Shipped	132,701,000	91,350,000
On hand, Sept. 30	79,584,000	80,066,000

Refined Oil

	Pounds— 1941.	1940.
Produced	96,364,000	80,452,000
Shipped	.....	.....
On hand, Sept. 30	178,724,000	347,492,000

Cake and Meal

	Tons— 1941.	1940.
Produced	227,115	193,449
Shipped	217,174	176,390
On hand, Sept. 30	174,385	96,560

Hulls

	Tons— 1941.	1940.
Produced	135,737	110,127
Shipped	133,076	73,898
On hand, Sept. 30	154,100	57,143

Linters

	Bales— 1941.	1940.
Produced	150,834	103,418
Shipped	170,511	116,751
On hand, Sept. 30	103,477	116,007

Emery Industries Names Ruston General Manager

—*Continued from page* 4

ing crashed into a ladder truck of the Cincinnati Fire Department, which was responding to an alarm of fire. Clifford U. Sampson has been named to Mr. Ruston's former post, manager of chemical sales.

Mr. Ruston, who graduated from Rose Polytechnic Institute, Chicago, with a B.S. degree in chemical engineering in 1920, has been affiliated with Emery Industries since 1930, and had been made manager of its chemical sales division in July, 1940.

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Benzoic Acid

U. S. P.

MONSANTO SPECIFICATIONS

APPEARANCE:	White powder or plate-like crystals.
PURITY:	99.5% minimum (dry basis).
ODOR:	None.
MELTING POINT:	122.5° C. minimum.
SOLUBILITY IN WATER 1:275:	Clear at 25° C.
SOLUBILITY IN ALCOHOL 1:2.3:	Clear at 25° C.
ORGANIC CHLORINE:	None.
NITRO COMPOUNDS:	None.

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Drugs, Fine Chemicals

OPA Surveys Glycerin Makers and Buyers for Price Ceiling Data —Castor Beans Up But Oil Holds Unchanged —Seasonal Items Not Plentiful

Developments in the market for drugs and fine chemicals failed to include the establishment of a glycerin price ceiling by the Office of Price Administration. Nor were there any other ceiling prices established on articles in the drug and chemical field. Activity in the period under review was restricted to the presence of demand usually in excess of available supplies of many commodities.

Trade talk said that OPA is studying the returns a glycerin questionaire sent recently to glycerin producers. Another questionaire has been sent to buyers of glycerin, returns on which were understood still to be coming in to OPA. The purpose of the surveys is to provide OPA with foundational data on which a price ceiling may be raised.

Seasonal items will pass through a Winter of definitely limited supplies. In all probability, care in distribution and selling generally will provide sufficient medicinals to meet actual needs but it will not be a Winter in which supplies are unlimited and in which sellers will strive for rising volume of sales.

Resale activity was less to the fore than it had been at times in the recent past. Not that the supply of resale goods was increasing. Quite the contrary, less and less stock seemed to be reaching second-hands, possibly because of the effectiveness of producers' endeavors so to control deliveries to customers as to give them little more than their actual requirements.

Price Changes

Advanced

Castor beans, $3.50 per long ton.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
222.9	222.9	222.1	202.5

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Demand shows gain. Market stronger. No surplus supply.

Acetone.—Demand excellent. Supply light in open market. Producers sold well ahead.

Acetophenetidin.—Open market demand gaining. Producers have buyers for every pound of output. Prices strong.

Acid, Benzoic. — Strong position. Raw material insufficient to increase producers' output. No resale material noted.

Acid, Boric.—Consumption excellent. Need would support larger production. Prices strong.

Acid, Citric.—Leading makers continue to maintain stable prices. Demand down along seasonal lines. Little available at resale.

Acid, Camphoric. — High, strong prices backed with minimum stocks.

Acid, Fumaric.—Moving in fine volume at full prices.

Acid, Gallic.—Firm to strong undertones govern U.S.P. market. No excess of stocks.

Acid, Nicotinic.—Volume of orders large. Supply not excessive. Prices display stability.

Acid, Tartaric.—New tariff pact with Argentina binds present free list status of argols, wine lees, and crude calcium tartrate when containing less than 90% potash bitartrate. Acid strong under high cost of raw materials.

Adeps Lanae.—Firm to strong at late advance. In excellent request.

Alcohol.—Raw material exceptionally strong. Rising price trend noted. Differences in sellers' views widening. Hard to get prompt delivery material. Demand exceeds current flow of offerings. Alcohol strong. In high demand. Practically every gallon spoken for. Production of alcohol by whiskey distillers would provide needed expansion in industrial alcohol output.

Argols.—Current tariff provisions bound in new tariff pact with Argentina.

Camphor.—Strong, active market. Natural camphor stocks dwindling. Relations with Japan suggest no early resumption shipments. Heavy demand for domestic synthetic keeps production well sold up.

Castor Oil.—Castor beans higher at $76 to $78 per long ton. Sharp rise over prices a week back. Oil strong and active. Prices hold.

Chicago, Oct. 15.—The castor oil market active. Tone strong. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 13¼c. per pound, drums, car lots; 14c., drums, less than car lots; tanks, 12⅜c.; No. 3, extracted, returnable drums, car lots, 13c. per pound; drums, less than car lots, 13¾c.; tanks, 12⅛c.

Cream of Tartar.—Strong. Normally active. No surplus supply, especially in resale hands.

Creosote.—Prices mean little on prompt delivery business. Supply under demand. Best season of year lies ahead.

Bromides

It was in 1924 that an American chemist perfected a product requiring bromine in its manufacture and began the era in which ordinary gasoline was doctored with ethyl fluid to give it a high antiknock rating.

Production of ethyl fluid brought a call for bromine and bromides greater than could be met. Prices on potash bromide rose from 16c. per pound in January to 41c. in December. Soda bromide went from 18c. to a high of 43c.

American chemists sought for a domestic source of bromine in unlimited quantities. They found it in new processes that extracted bromine from the ocean water and from brine wells at low cost. The new domestic industry brought emancipation of bromine and bromide buyers from virtually complete control of Germany.

What dependence on Germany meant is revealed by what happened to bromide prices when World War No. 1 cut off German shipments. Potash bromide went from 39c. the pound in August, 1914, to $5.50 early in 1916. And soda bromide advanced from 45c. to a high of $3.50 in the same period.

World War No. 2 is two years old but potash and soda bromide prices at 27c. per pound are actually 4c. lower than when the war began in September, 1939.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

DCAT Meeting, Skytop, Pa., Oct. 23-25.

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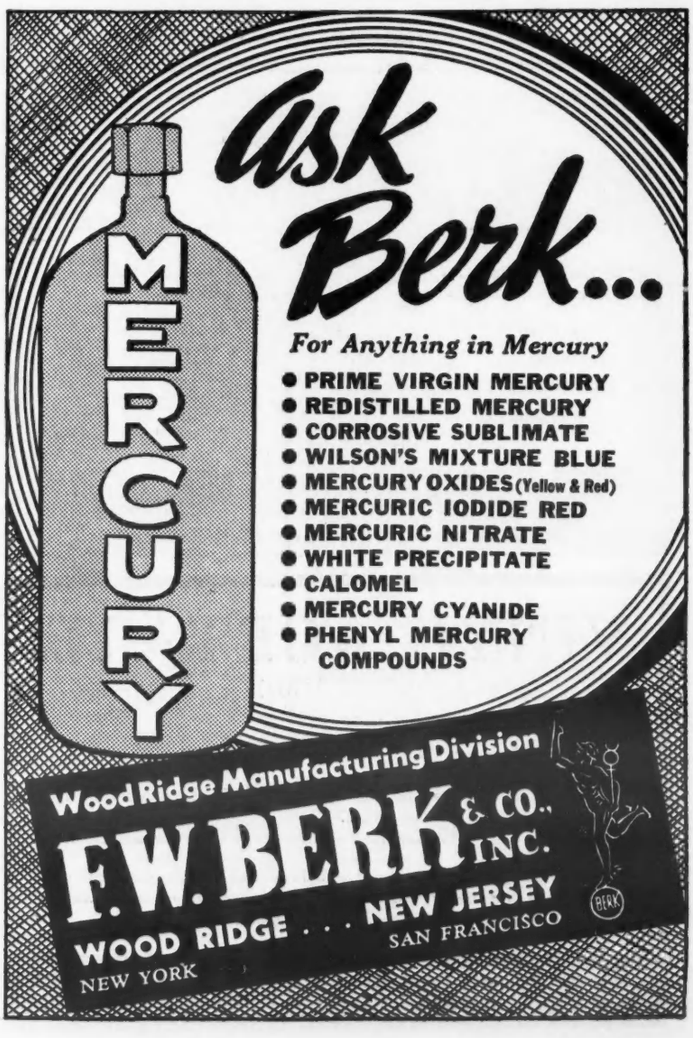

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Fish Liver Oils.—Demand high. Stocks low. Firm prices hard to obtain. Halibut showing special strength.

San Francisco, Oct. 15.—Demand has pushed prices on high potency A oils up as high as 100 percent above figures prevailing only a few weeks ago and lower potencies are generally being figured as worth 50 percent more. There is a better productnon picture apparent in lower potencies in A oils, however, but this still doesn't fill the demand. D's are firm, but synthetic manufacture elsewhere tends to relieve this situation somewhat. Sellers are sidestepping definite quotations.

Gelatin.—Recent quotations confirmed. Market very firm. Supplies not too plentiful. Forward sales substantial.

Glycerin.—New tariff pact with Argentina binds current duty of 8/10c. per pound on crude and 1-7/15c. per pound on refined glycerin. Sales of crude at standstill. Soaplye reported available at 16c. to 18c. per pound. OPA questionnaire returns being studied. Two questionnaire surveys being conducted among glycerin buyers. OPA price ceiling still in making.

Chicago, Oct. 15.—Glycerin prices for both chemically pure and high gravity are:—Tankcar, 19¼c. per pound; drums, car lots, 19½c.; drums, less than car lots, 20c.

Menthol.—Very firm market. Holders natural Japanese items not anxious sellers. Values range widely. Japanese-American relations take bad turn. Resumption of imports not in sight. Output domestic synthetic well engaged. Manufacturing capacity of plant expanding. No open market prices yet.

Mercurials.—Full firm in all respects. Raw material prices give evidence of stability. Demand active. Specially for technical red oxide.

Methanol.—Price situation settles into groove. Price ceiling on natural item stabilizing influence. No ceiling on synthetic item, recently reduced to 28c., Zone 1 in tanks.

Methyl Acetone.—Excellent volume demand keeps stocks within narrow limits for new buyers. Prices very firm.

Milk Powder.—Prices strong. Leading producers' output well sold up. Raw material strengthening steadily. Department of Agriculture buying, week ended October 13, totaled: Skim roller, 945,500 pounds; spray, 300,000 pounds. Whole milk, 483,000 pounds.

Molasses.—Sellers report high volume demand. Little unsold blackstrap available. Prices range 12½c. to 13½c. per gallon, tanks, north Atlantic ports. Reports say 14c. has been asked.

Quicksilver.—Strong market maintained. Stabilization of Pacific Coast prices evident. Is voluntary. Eastern unsold stocks small.

San Francisco, Oct. 15.—In spite of a genuine effort in most quarters of trade to keep a voluntary $190 per flask ceiling on quicksilver, market last week recorded business above that level. Transactions reported effected here at $192. Sales called for various delivery periods to the end of this year. Movement moderate.

Quinine.—Leading firsthands declare no buyer with legitimate consumption need buy from secondhands. Firsthands supply every bona fide need. Quinine supply ample for all actual requirements. Sales to speculative operators absolutely out.

Rochelle Salt.—Strong. Reflects high cost of raw material and its not too plentiful supply. Demand brisk.

Saccharin.—Little available save for regular, established customers of producers. Prices firm.

Santonin.—Domestic producers hold firm prices. Report good interest. Secondhands ask sharp price premiums.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London, Pence.
Saturday	24	34⅝	23½
Monday	24	34⅝	23½
Tuesday	24	34⅝	23½
Wednesday	24	34⅝	23½
Thursday	24	34⅝	23½
Friday	24	34¼	23½

—*Continued on page 52*

Needs take up producers' output promptly. Secondhand activity reported.

Soda Cacodylate.—No spot stocks known to be available.

Soda Mandelate.—Consumption excellent. Sustained firm to strong price position.

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U.S.-Argentina Trade Pact To Become Effective Nov. 15

—*Continued from page 3*

shall be 32½ cents per bushel until 30 days after a proclomation by the President of the United States that the existing abnormal situation in respect of the trade in flaxseed has terminated.

Concessions Obtained by U. S.

The following table gives the concessions obtained from Argentina:—

Schedule I

Articles.	Unit.	Old.	Duty in gold pesos or ad valorem. New †I.	New ‡II.
Chewing gum, without coating of sugar	Kilo	0.336	0.336	0.336
Turpentine, in general	Kilo	0.1344	0.118	0.102
Sulphur in lump, obtained from Frasch or similar system	Gross kilo	0.007,107	0.007	0.007
Varnishes with base of celluloid, cellulose, nitrocellulose, acetycellulose and similar, colored or not	Kilo	0.4704	0.4704	0.4704
*Paints called enamels and those with a base of celluloid, cellulose, acetylcellulose and similar	Kilo	0.3696	0.3696	0.3696
Rosin:—				
Light	Kilo	0.015	0.01	0.008
Dark	Gross kilo	0.012	0.01	0.008

* When these are imported in containers of more than fifty kilos net they will be accorded a 20 percent reduction in their valuation or duty.
† Take effect immediately.
‡ Effective when Argentine customs receipts reach 270,000,000 paper pesos.

Concessions Granted by U. S.

The following table shows the concessions granted unconditionally to Argentina by the United States:—

Schedule II

	Old.	New.
Casein or lactarene and mixtures of which casein or lactarene is the component material of chief value, not specially provided for	5½c. per lb.	2¾c. per lb.
Extracts, dyeing and tanning, not containing alcohol:—Quebracho	15% ad valorem.	7½% ad valorem.
Glycerin, crude	8/10c. per lb.	8/10c. per lb.
Glycerin, refined	1 7/15c. per lb.	2/3c. per lb. plus the lowest rate of ordinary customs duty provided for crude glycerin the product of any foreign country except Cuba, at the time such refined glycerin is entered, or withdrawn from warehouse, for consumption; but not more than 1 7/15c. per lb.
Neatsfoot oil and animal oils known as neatsfoot stock	20% ad valorem plus 3c. per lb. import tax.	10% ad valorem plus 1½c. per lb. import tax.
Mica, unmanufactured; valued at not above 15c. per pound	4c. per lb.	4c. per lb.
Mica, ground or pulverized	15% ad valorem.	15% ad valorem.
Tallow	½c. per lb. plus 3c. per lb. import tax.	½c. per lb. plus 1½c. per lb. import tax.
Oleo oil and oleo stearin	1c. per lb. plus 3c. per lb. import tax.	½c. per lb. plus 1½c. per lb. import tax.
Oil-bearing seeds and materials:—		
* Flaxseed	65c. per bu. of 56 lbs.	50c. per bu. of 56 lbs.
Canary seed	¾c. per lb.	½c. per lb.
Blood, dried, not specially provided for	Free.	Bound Free.
Bones:—Crude, steamed, or ground; bone dust, bone meal, and bone ash; and animal carbon suitable only for fertilizing purposes	Free.	Bound Free.
Dyeing or tanning materials:—Quebracho wood, whether crude or advanced in value or condition by shredding, grinding, chipping, crushing, or any similar process, and not containing alcohol	Free.	Bound Free.
Tankage of a grade used chiefly for fertilizers or chiefly as an ingredient in the manufacture of fertilizers	Free.	Bound Free.

* That on and after the effective date of this agreement, and until the thirtieth day following a proclamation by the President of the United States of America, after consultation with the Argentine Government, that the existing abnormal situation in respect of the trade in flaxseed has terminated, the rate of duty under this item shall be 32½c. per bushel of 56 pounds.

Wartime Reductions

The following table shows concessions granted by the United States to Argentina, which may be terminated on six months' notice any time after the termination of the European war:—

Schedule III

	Rate of Duty— Old.	New.
All medicinal preparations of animal origin, not specially provided for	25% ad valorem.	12½% ad valorem.
Beryllium:—Oxide or carbonate, not specially provided for	25% ad valorem.	12½% ad valorem.
Sunflower oil	20% ad valorem plus 4c. per lb. import tax.	10% ad valorem plus 2¼c. per lb. import tax.
Argols, tartar, and wine lees, crude or partly refined, containing less than 90 per centum of potassium bitartrate, and calcium tartrate, crude	Free.	Bound Free.

Merck & Co. Again Wins Direct Mail Ad Award

For the fourth successive year, the board of judges of the Direct Mail Advertising Association has selected Merck & Co., manufacturing chemists, Rahway, N. J., as one of the fifty direct mail leaders of the United States and Canada. This year the company also won the President's cup for "the most outstanding industrial direct mail campaign." Douglas Wakefield Coutlee, director of advertising for the company, received the two awards at the association's annual convention banquet held at the Mount Royal Hotel, Montreal, October 9.

The awards were made on the basis of outstanding direct mail literature employed in the professional promotion of several Merck medical products. The *Merck Report*, a magazine for physicians and pharmacists, and edited by Mr. Coutlee, was also included in the winning presentation.

In addition to direct mail literature used in the promotion of medical products to the profession, Merck employs advertising in medical, dental, chemical, pharmaceutical and industrial publications and also in newspapers and magazines for the advertising of products intended for the general public.

Anchor Hocking Names Crawford Closure Div. Head

Hugh Crawford was made manager of the closure division of the Anchor Hocking Glass Corporation. He will make his headquarters in Lancaster, Ohio, after November 1. Mr. Crawford has been associated with Anchor Hocking Glass on the West coast for more than eighteen years in both a sales and managerial capacity.

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Brown Company — *Chloroform*
Hawaiian Pineapple Co. — *Citric Acid*
Zinsser & Co. — *Gallic Acid, Tannic Acid*
Stauffer Chemical Co. — *Cream Tartar, Tartaric Acid*
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AMERICAN FIRSTOLINE CORPORATION
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Telephone: MU 3-5820

Drugs, Fine Chemicals

—*Continued from page 50*

Soda Benzoate. — Production cost strong. No excess of raw material.

Soda Perborate.—Producers maintain stable prices. Demand excellent. Secondhand activity noted.

Strychnine.—All salts very firm. Demand along normal lines. Raw material costs show strength.

Theobromine.—Normal sources not offering.

Resale Market

Resale activity was possibly somewhat less active than it had been in the recent past. However, business was still fairly substantial but to some extent was controlled by a lessening flow of buyers' inventories into secondhand stocks. Application of the export license control system to practically all chemicals has also served to reduced resale volume; much of the past demand originated from sources outside of the country. For the most part, resale prices showed fair stability. Quotations noted during the week were: Acetysalicylic acid, 63c. per pound; calcium lactate, 31c.; citric acid, 70c.; formaldehyde, 35c.; c. p., glycerin, 27c. to 30c.; quinine sulphate, 83c. per ounce. U.S.P. salicylic acid, 67c. to 70c. per pound; $2.10 per kilo; U.S.P. soda benzoate, 85c.; saccharin $2.20 to $2.25; theobromine, $9.78 to $10.75.

Bottle Closure Ass'n Denies F.T.C. Charges

—*Continued from page 3*

practice of the respondent members to send to the respondent Association their price lists for closure milk bottle caps, but denies that the practice was in pursuance of any agreement or that the respondents had agreed that they would not change or deviate from the prices until new and different prices were filed by them.

The answer denies that the respondents agreed to fix or maintain uniform discounts or other conditions for the sale of their products and also denies that they furnished the respondent association with copies of all contracts covering the sales of closure milk bottle caps. All other allegations of the complaint alleging efforts to restrict competition also are denied.

Alcohol for Defense Furthered in Congress

—*Continued from page 3*

tee in telegrams to all members of the ways and means committee.

The Dirksen bill would amend the present laws requiring distillers to shut down their facilities for producing whisky when they begin production of alcohol, in spite of the fact that different equipment in the plant is used for the two processes. Distillers have urged enactment of the bill on the grounds that the needs of the defense program for alcohol could be met if fulltime operation of both whisky and alcohol-producing facilities were permitted.

The Treasury Department has amended (T.D. 5085) its regulations so as to speed up the change-over from production of one type of distilled spirits to the other. Under the amended regulations, it was explained by the Alcohol Tax Unit, the change-over can now be accomplished without any interruption in production.

Drug Industry Learners Wage Hearing Set

—*Continued from page 3*

interested party, providing a notice of intention to appear, setting forth the name and address of the proposed witness, the company or organization which he represents, and the approximate length of time required for his presentation, is filed with the division prior to noon October 25. Any interested party unable to appear may file a brief or a statement which will be considered if received by October 25.

The questions upon which testimony will be taken will be for the purpose of determining:—

(a) What, if any, occupation or occupations in the drug, medicine and toilet preparations industry require a learning period; and if any occupation is found to require a learning period;

(b) The factors which may have a bearing upon curtailment of opportunities for employment within the drug, medicine and toilet preparations industry; and

(c) Under what limitations as to wages, time, number, proportion, and length of service special certificates may be issued for the employment of learners in the drug, medicine and toilet preparations industry.

Pittsburg Chemical Company, manufacturer of refrigerant, fumigant, and general industrial chemicals, Los Angeles, is erecting a 7,500-square-foot addition.

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Industrial Uses of Chemicals and Related Materials

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(Parenthetical figures are the numbers of patents in the United States or other countries, as designated)

Alphadeltagalacturonic Acid Monohydrated

Chemical

New chemical available for experimental use

Casein Fiber

(A synthetic fiber made from casein and known by various trade-names; for example: — Aralac (United States), Cargau (Belgium), Casolana (Holland), Lactofil (Holland), Lanital (Italy), Polana (Poland), Tiolan (Germany))

Hatmaking

Ingredient of—
New felt (made up of 15 percent casein fiber, 30 percent lamb's wool, 50 percent rabbit fur, and a little muskrat) for hatmaking used as a substitute for felts made with much larger quantities of rabbit fur now no longer available in normal quantities—only three of the ten major sources of supply now remain open; in the First World War prices of this fur went to $11 a pound from $1.50—this new process, it is claimed, will result in a reduction of more than 35 percent in hatters' fur requirements for 1942)

Miscellaneous

Synthetic fiber said to have the following characteristics—
Boiling in water tends to lower its tensile strength
Dyeable with sulphur and vat dyes
Dyeings are not so fast to washing or to perspiration as corresponding dyeings on wool
Economically milk production is quicker and cheaper than sheep and sheep's wool production
Eliminates seasonal and other various disadvantages of the natural fiber
Eliminates scouring and carbonization processes
Less acid required in the dye bath
Lower felting power than real wool
Lower specific gravity than real wool
More resistant to alkalies than real wool
Not attacked by moths
Resistance to creasing compares favorably with that of real wool
Smoother fibers than natural wool and lacking the scaly surface which is characteristic of real wool
Soft general handle and quite similar to sheep's wool
Susceptible to certain bacteria which under favorable conditions may actually dissolve the synthetic fiber leaving real wool unharmed
Tensile strength is not more than 50 percent that of real wool
Tinctorially similar properties to real wool, but it absorbs dyes more rapidly and at a lower temperature
Uniform, free from impurities, made any length and diameter
Wool-like material having a strong similarity to sheep's wool in its chemical constitution, the chief difference being a low sulphur content

Synthetic fiber available for use in—
Many materials containing wool—rugs, carpets, upholstery, and the like

Starting point in making—
Casein-viscose synthetic fibers

Textile

Ingredient of—
Mixtures with real wool used in making textile fabrics (the Italian government is reported to have authorized the use of 70 percent wool and 30 percent "Lanital" in both army and navy uniforms)

Methylalpha(methoxyphthalyloxy) Isobutyrate

Adhesives

Plasticizer (U.S. 2072739) in—
Adhesive compositions containing cellulose derivatives and resins

Ceramic

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer (U.S. 2072739) for—
Cellulose derivatives
Resins

Cosmetic

Plasticizer (U.S. 2072739) in—
Nail enamels and lacquers containing cellulose derivatives and resins as base material

Electrical

Plasticizer (U.S. 2072739) in—
Insulating compositions, containing cellulose derivatives and resins, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Leather

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 2072739) in—
Coating compositions, containing cellulose derivatives and resins, used for protecting and decorating articles of various sorts

Paint, Varnish, and Lacquer

Plasticizer (U.S. 2072739) in—
Paints, varnishes, lacquers ,enamels, and dopes containing cellulose derivatives and resins

Paper

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Photographic

Plasticizer (U.S. 2072739) in making—
Films from cellulose derivatives

Plastics

Plasticizer (U.S. 2072739) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose derivatives and resins

Resins

Plasticizer (U.S. 2072739) in making—
Artificial resins

Rubber

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of coated fabrics

Wood

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as protecting and decorative coatings on woodwork

---

Thymol

(Acide Thymique, Acidum Thymicum, 2-Isopropyl-5-methylphenol, Thymiansaure, Thymic Acid, Thymolkampher, Thymolum, Timol, Timole, Timolo)

Adhesives

Antioxidant, disinfectant, and preservative for—
Adhesive composition (U.S. 1498270)
Adhesive compositions containing gums, irish moss, or starch

Chemical

Stabilizer (Brit. 397914) for—
Chlorinated hydrocarbons

Starting point in making—
Chlorothymol
Fatty acid esters
Thymol acetate
Thymol cinnamate
Thymol cyclopentenylacetate
Thymol iodide
Thymol sulphonate (U.S. 1449121)
Thymol-paracarboxylphenylphosphoric acid (U.S. 1125081)

Cosmetic

Antioxidant, disinfectant, and preservative in—
Products containing—
Fats and greases
Gums of various sorts
Starch and starch base products
Vegetable oils

Starting point in making—
Thymoloform used as a component of antiperspiration dusting powders and liquids

Dentistry

Ingredient of—
Dentine desensitizer, containing also alcohol and ether

Disinfectant

Germicide reported as offering—
Antiseptic efficiency higher than that of phenol, restraining the growth of pus organisms in 1:3000 dilution (Sollmann)
Characteristic, clean odor
Disinfecting efficiency which can be greatly improved by dispersing it in a magnesium soap
High phenol coefficient (28 against *E. typhi*), but its gremicidal action is greatly impaired by the presence of organic matter (Sollmann)
Low solubility in water
No toxicity
Power to kill and inhibit the growth of bacteria and fungi
Ingredient (U.S. 1346337) of—
Deodorizer

Starting point in making—
Thymoloform said to be useful for disinfecting instruments and as substitute for paradichlorobenzene for cleansing nad deodorizing the air

Fats and Oils

Antioxidant, disinfectant, and preservative for—
Fats — Sulphonated oils
Greases — Vegetable oils

Firefighting

Stabilizer (U.S. 1243149) for—
Chemical fire-extinguisher

Food

Antioxidant, antiseptic, and preservative (U.S. 1171392 and 1396641) in—
Chewing gum

Preservative (U.S. 1460736) in—
Enzyme extract

Fur

Antioxidant, disinfectant, and preservative in—
Soaking operations

Glue and Gelatin

Antioxidant, disinfectant, andpreservative for—
Glue — Gelatin

Gums

Antioxidant, disinfectant, and preservative for—
Dextrin — Tragacanth
Gum arabic — Other gums

Horticulture

Accelerator of processes such as—
Bud blossoming — Growth
Germination

Ink

Preservative for—
Inks

Ingredient of—
Ink (U.S. 1325971)
Printing ink for selvage of cloth (U.S. 1162027)

Insecticide and Fungicide

Fungicide for certain organisms

Ingredient (U.S. 1270630) of—
Croton bug repelling composition
Fly repelling composition
Roach repelling composition

Leather

Antioxidant, disinfectant, and preservative for—
Finishes and dressings

Miscellaneous

Antifermentative for—
Solutions (possibly of use in brewing, distilling, wineries, extracts, and similar manufacturing processes)

Antioxidant, disinfectant, and preservative for—
Products containing—
Gums — Starch
Paste — Sulphonated oils
Vegetable oils

Ingredient of—
Embalming fluid (U.S. 1150688)

Inhibitor (Brit. 452536) of—
Oxidation and polymerization in process for thickening vegetable oils to form jointing compositions

Oral Hygiene

Ingredient of—
Antiseptic and deodorant mouthwashes
Dentifrices (U.S. 1435498, 1445351, 1445352, 1471987, 1484415, 1516398, and Re-15691)

Paint, Varnish, and Lacquer

Antioxidant, disinfectant, and preservative for—
Distempers — Paint vehicles
Paints

Drying retardant for—
Paints

Ingredient (U.S. 1189804) of—
Paint remover
Varnish remover

(To be continued)

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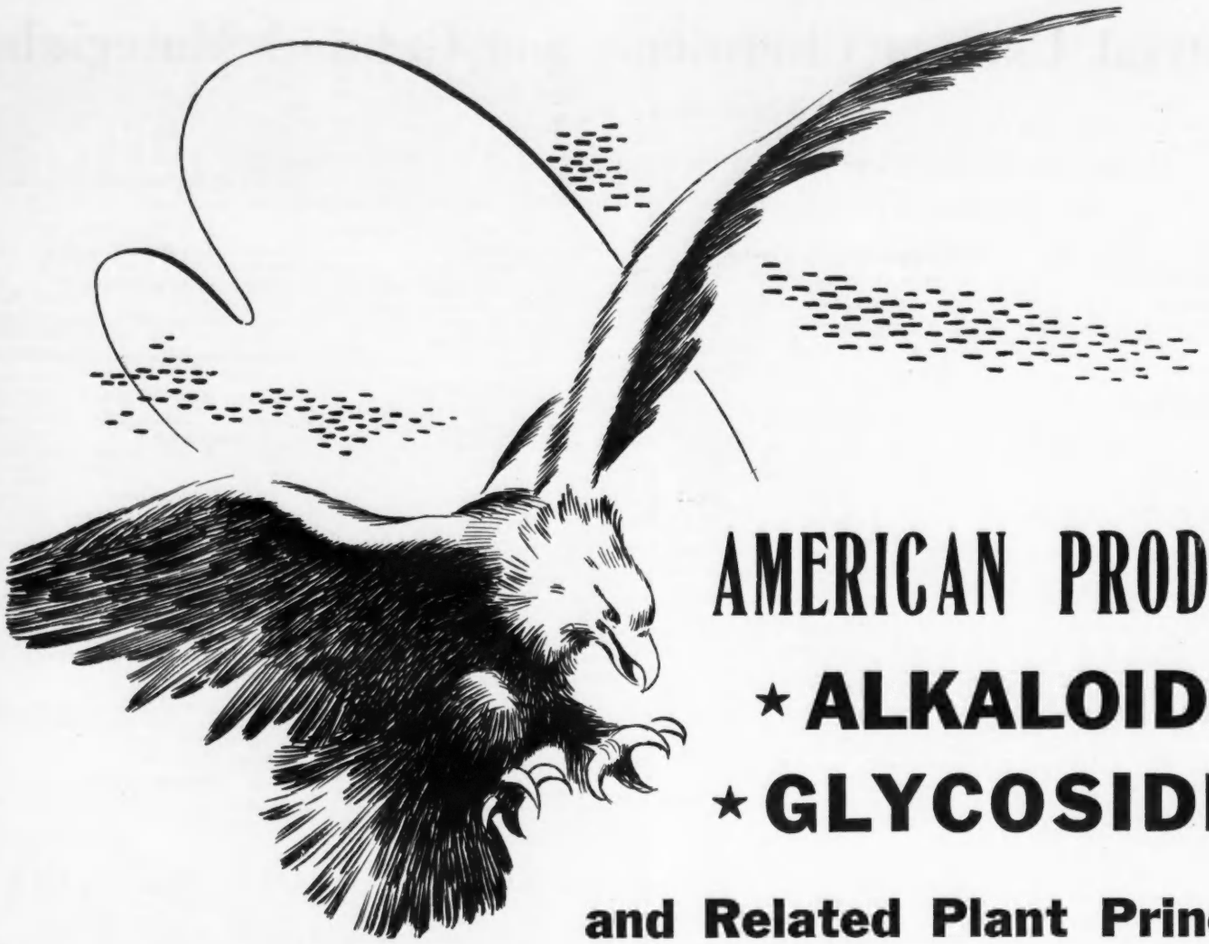

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Berberine Sulphate
Berberine Acid Sulphate
Cephaeline
Colchicine Salicylate
Colchicine, U.S.P.
Emetine Hydrochloride, U.S.P.
Ephedrine Alkaloid, U.S.P. (Natural)
Ephedrine Hydrochloride, U.S.P. (Natural)
Ephedrine Sulphate, U.S.P. (Natural)
Eserine Alkaloid
Eserine Salicylate, U.S.P.
Eserine Sulphate, U.S.P. VIII
Homatropine Hydrobromide, U.S.P.
Hydrastine Alkaloid, U.S.P. IX
Hydrastine Hydrochloride, N.F.
Hydrastine Sulphate
Hyoscine Hydrobromide, U.S.P.
Hyoscyamine Alkaloid
Hyoscyamine Hydrobromide, U.S.P. X
Hyoscyamine Sulphate
Lobeline Sulphate
Physostigmine (See Eserine)
Pilocarpine Alkaloid
Pilocarpine Hydrobromide
Pilocarpine Hydrochloride, N.F.
Pilocarpine Nitrate, U.S.P.
Pilocarpine Salicylate
Pilocarpine Sulphate
Scopolamine Hydrobromide (See Hyoscine)
Sparteine Sulphate, N.F.
Veratrine
Yohimbine Hydrochloride

GLYCOSIDES

Digitalin, N.N.R. (so-called German process)
Digitonin
Gitonin
Salicin, N.F.
Saponin
Strophanthin, U.S.P.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices, and Gums

All Forms of Arnica Under Export Control from October 29 Forward — Powdered Derris and Cube Advanced Difficulties—Java Vetiver and Cananga Advanced

Although the week in botanical drugs was reasonably quiet, it was a period not without its features. For example, offerings of new crop goods from India carried lower prices in cables received. Pyrethrum flowers and concentrates were lowered. Powdered cube and derris were advanced to cover higher prices in the primary markets.

Again, the exceptionally strong position of mandrake root made the article prominent as to price and demand. Rhubarb from China was available in two qualities; some recent arrivals have contained a mixture of rhapontica root. Arabic gum turned stronger as large deliveries were made out of recent heavy arrivals. Mastic and sandarac gums were strong, hard to get, and high in price.

During the period, the Economic Defense Board, Office of Export Control, placed arnica flowers, leaves and root, in whole or powdered form, under export control, effective October 29. Also, the duty on Argentine canary seed was reduced in the newly signed trade pact with that country.

Balsams

Peru.—Active. In moderate reserve. Prices firm.

Tolu. — Sustained demand holds prices very steady.

Barks

Cascara Sagrada.—Strong at all points. Pacific Coast stocks below normal. High prices secured and maintained. Tendency still up.

Elm.—Outlook for higher prices favorable. Market strengthening steadily. Current demand irregular.

Sassafras.—Major demand in not far distant future. Quotations developing more than ordinary pre-season strength.

White Pine.—Fair collections reported. Costs averaging fairly high. Active season spreads ahead.

Wild Cherry.—Country holders have fairly stiff views on values. Collection had to be stimulated substantially this year. Fewer than normal number of workers available.

Beans

St. Ignatius.—Firm. Not in much demand. Stocks conservative.

Vanilla.—Definite assurance of relief from subnormal stocks lacking. Every effort possible made to get beans started from Madagascar. Spot stocks low, meanwhile. Prices strong. Demand ahead of supply.

Rhubarb Root

Marco Polo (1254-1328), famed world traveler of Venice, was the first European to visit the rhubarb growing areas in China, although the father of Chinese medicine, Emperor Shennung, had recorded its virtues in his Herbal Penkung written in 2,700 B. C., and trade caravans had carried it to the four corners of Europe, where its properties became recognized and well known.

For a while it seemed likely that Japan's war on China would stop exports to the United States, but supplies have continued to come through. Imports in 1939 totaled 96,750 pounds. During the period January—May, 1941, arrivals totaled 86,000 pounds. It may be that the United States is using less of this root. Imports in the five-year period 1934-1938 totaled 684,951 pounds. In the 1914-1918 five-year period, the total was 1,000,426 pounds.

The current quotation is 50c. per pound for high dried root. On August 25, 1939, the price was 43c.

Price Changes

Advanced

Cube root, powdered, 3c. per lb.
Derris root, powdered, 2c. per lb.
Paprika, Portuguese, extra fancy, 2c. per lb.

Reduced

Anise, Spanish, 4c. per lb.
Berberis root, 1c. per lb.
Canary seed, Argentine, ¼c. per lb.
Celery seed, Indian, 7c. per lb.
Cumin seed, Persian, 1c. per lb.
Indian, ¼c. per lb.
Cinnamon, Ceylon No. 2, ½c. per lb.
Clove, Zanzibar, ¼c. per lb.
Ginger root, African, ½c. per lb.
Paprika, Spanish, medium, 3½c. per lb.
Portuguese, good, 1c. per lb.
Poppy seed, Turkish, ½c. per lb.
Pimento, Jamaica, ½c. per lb.
Pyrethrum flowers, ground, 2c. per lb.
powder, 2c. per lb.
Pyrethrum concentrate, 20 to 1, 5c. per lb.
30 to 1, 25c. per lb.
Thyme, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
303.7	303.7	278.2	204.5

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Cubeb.—Strong at source. Replacement costs average high. Local demand sustaining spot values.

Hawthorn. — Regular imported article hard to get. Domestic collection small.

Flowers

Arnica. — Purely nominal market. Nothing known to be offered. Control of exports becomes effective October 29. No general knowledge of any domestic production.

Elder. — Domestic collected item showing substantial strength. Spot tends higher.

Pyrethrum.—Prices on powder and ground goods lower. Powder, 20c. to 21c. per pound. Ground, 19c. to 20c. Concentrates shaded to $4.20 per gallon for 20 to 1; and to $6.20 on 30 to 1.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	190	3,243
Belladonna	70	207
Caraway	78	207
Cardamom (cases)	10	2,249
Celery	69	2,242
Coriander	16,896	31,549
Cumin	4,289	13,968
Digitalis leaves (cases)	..	..
Dill	4,818	17,784
Fennel	210	2,274
Henbane leaves (bales)	216	256
Mustard	...	10,017
Poppy	1,080	3,653
Sage leaves (bales)	1,228	8,949
Sesame	3,461	8,204
Stramonium	...	...
Thyme	1,185	3,889

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

CHECK THIS LIST

OF HOPKINS' PROFESSIONALLY MILLED, ANALYZED, HIGH STANDARD

CRUDE DRUGS

The earth contributes and J. T. Hopkins & Company distributes every foreign and domestic botanical drug for which there is a commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

✓ALOES
✓ALTHEA ROOT
✓ANISEED
✓ARECA NUTS
✓ASAFOETIDA GUM
✓BENZOIN GUM
✓BUCHU LEAVES
✓CALAMUS ROOT
✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (118% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
✓WILD CHERRY BARK
✓PALE ROSE BUDS

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ALOES, Curaco and Cape
ALTHEA ROOT
ANISE SEED, Bulgarian
BALSAM COPAIBA
BALSAM PERU
BALSAM TOLU
BELLADONNA Leaves and Root
BOLDO LEAVES
BORRAGE FLOWERS
BUCHU LEAVES
CANARY SEED, Moroccan 2%
CELERY SEED
CLOVES, Zanzibar
COCILLANA BARK
CORIANDER OIL AND SEED
CUMIN SEED
DANDELION ROOT
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
HELLEBORE ROOT WHITE
HERBA HERNIARIAE
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
LAUREL LEAVES
LAVENDER FLOWERS
MAHUANG, Chinese
MALEFERN ROOT
MARJORAM LEAVES
OAK MOSS
PEPPERMINT OIL
PIMENTO, Jamaica
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
SAGE LEAVES
SARSAPARILLA ROOT
SAVIN OIL
SAVORY
SENNA LEAVES AND PODS
SESAME SEED HULLED
SQUILL ROOT
STRAMONIUM LEAVES
STROPHANTUS SEED
THYME LEAVES
UVA URSA LEAVES
VALERIAN ROOT

AMINOPHYLLINE
BARBITAL
COD LIVER OIL, Medicinal and Poultry Grades
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
GUM CAMPHOR, Japanese
ICHTHAMMOL, N.F.
MENTHOL, Japanese
MILK SUGAR
STRYCHNINE SULFATE
VITAMIN PRODUCTS
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DRUGS - CHEMICALS - OILS - BOTANICALS

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Codes: A. B. C. 5th & 6th Edition and Bentley's

Rose.—All varieties in conservative supply. Limited demand.

Saffron.—Export licenses required by Spanish government. Understood that minimum sales prices are enforced by said government. Spot very firm at recent rise.

Gums

Arabic.—Strength maintained despite recent heavy arrivals. More coming—sometime and perhaps. One ship long overdue. Much of recent landings had been sold long before ships docked. Prices gain strength. No shading.

Mastic.—Limited stocks cannot be replaced. Prices strong to point of being nominal. Always subject to confirmation and prior sales.

Myrrh.—No competition. Fair holdings. Firm prices.

Sandarac.—Dealers seek resale stocks from former buyers. Odd lots picked up. No general spot supply. Prices strong. Subject to confirmation.

Tragacanth.—Undertones very firm. Little or no competition. Demand sustained. Arrival of replacements uncertain. Subject to marine delays.

Herbs and Leaves

Aconite.—None known to be available. None likely to be.

Belladonna.—Limited supplies held strongly. Domestic production at fairly high cost this year.

Henbane.—Many inquiries received for seed to be used by domestic cultivators. Hard to get at any price.

Henna.—No shortage on spot. Goods from source arrive slowly but surely.

Stramonium.—Importations bring stocks to satisfactory volume. Recent offerings from Central America aroused little interest. Argentina main source of supply.

Miscellaneous

Cassia Fistula.—Some report rise in demand. Generally firmer.

Ergot.—All sellers meeting minimum spot quotations. Supplies plentiful in Spain. Present conditions favor export movement. Price, $1.80 to $1.85 per pound.

Grains of Paradise.—Steady at recently firmer market. More active.

Irish Moss.—Standard quality moss not readily obtainable. Domestic collection made at high primary market prices.

Papain.—Still an item of pronounced strength.

Roots

Berberis.—Spot goods offered at 11c. to 12c. per pound. Little doing.

Cube.—Higher import cost raised spot price on powder. Market ranges 30c. to 32c. per pound.

Derris.—Substantially higher in primary market. Powder on spot raised to 30c. to 34c. per pound.

Mandrake.—Collections a disappointment. Showed high primary market cost. Local quotations strong. Trend higher.

Rhubarb.—Range in quality fairly wide. Some goods arriving show mixture of rhapontica. Some dealers offer two qualities.

Seeds

Anise.—Spanish lowered to 36c. to 37c. per pound.

Canary.—Trade pact with Argentina reduced import duty to ½c. per pound. Argentina seed, spot, lower at 3¾c. to 4c. per pound.

Celery.—Indian down sharply to 55c. to 56c. per pound. New crop goods at lower prices in primary market.

Cumin.—Persian shaded to 18c. to 19c. per pound. Indian down to 17¼c. to 17¾c. per pound.

Mustard.—English yellow no longer quoted. Washington yellow on market at 8¼c. to 8¾c.

Poppy.—Turkish shaded to 34¾c. to 35¼c. per pound. Advices from Turkey declare further shipments, new crop seed, can be made.

Spices

Cassia.—All varieties steady. Prices hold firm. Good call.

Cinnamon.—No. 2 Ceylon shaded to 25½c. to 26c. per pound.

Ginger.—Fully firm prices on all qualities Jamaica root. African shade lower at 31c. to 31½c.

Paprika.—Portuguese extra fancy higher at 35½c. to 36c. per pound. Good quality, lower at 29c. to 30c. Medium Spanish down to 36c. to 37c.

Peppers.—White Java Muntok lower at 10½c. to 11c. per pound. Small berry Muntok, 9½c. to 10c. Black and red peppers hold firm.

Tradng in black pepper futures on the New York Produce Exchange from October 11 to October 17, inclusive, comprised 167 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	6.23	5.76	6.15@6.19
May	6.27	5.91	6.23@6.27
July	6.36	6.08	6.33@6.38
December	6.07	5.70	6.04@6.05

Pimento.—Lower at 20c. to 20½c. per pound for Jamaica. Mexican unchanged at 11½c. to 12c. Jamaica, October and November shipment, 19½c. to 20c. Mexican, due this month, 10½c. to 11c.

Sedgwick Medal Awarded to Armstrong

Atlantic City, Oct. 14, 1941

Dr. Charles Armstrong, senior surgeon of the United States Public Health Service, and investigator at the National Institute of Health, Washington, today received the Sedgwick Memorial Medal, the highest honor bestowed at the annual convention of the American Public Health Association. He was credited with basic work in research of the transmission of sleeping sickness, parrot fever and infantile paralysis.

Quicksilver Aug. Output New High at 4,100 Flasks

July quicksilver production of 4,100 flasks set a new high monthly rate since the 1875 to 1883 period of greatest output, according to the Bureau of Mines. It was 100 flasks over the June high and made the total production since last January 28,100 flasks.

Consumption was 3,600 flasks in August and the eight-month total reached 28,500 flasks.

Consumers' stocks on August 31 were 11,600 flasks. Producers stocks totaled 557 flasks.

Vanilla Vines Grown From Seed at Cornell

Well developed plants grown from vanilla bean seed by Dr. Lewis Knudson, head of the botany department of Cornell University, Ithaca, N. Y., are being sent to Puerto Rico where the Department of Agriculture is introducing commercial cultivation of the vanilla bean.

Puerto Rico plantings of vines imported from Mexico and other vanilla bean producing countries are attacked by a fungus and the Cornell experiment of growing vines from seed was undertaken to get plants from which to produce hybrid varieties capable of growing better in a new environment.

Dr. Knudson germinates the seed in test tubes plugged with cotton which lets in air but excludes the germs and fungi that otherwise would ruin the seed which are minute in size.

Atlantic Refining Opens New Oil Terminal

Philadelphia, Oct. 16, 1941

The new $15,000,000 marine terminal of the Atlantic Refining Company at Fort Mifflin on the Delaware river, adjoining the Philadelphia airport, went into service today when the company's tanker, Robert C. Tuttle, tied up at the dock to discharge a cargo of 155,000 barrels of crude oil from Port Arthur, Tex.

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Essential Oils, Aromatic Chemicals

Shipment Offers of Cassia and Ceylon Citronella Resumed — Benzyl Compounds Scarce Due to Raw Material Difficulties—Java Vetiver and Cananga Advanced

Heavy demand for substitutes for many natural and chemical products was rife in the market for essential oils and aromatic chemicals throughout the past week. The need for substitute materials grows steadily and is bringing on the market an array of compounds of many kinds and varieties, manufactured from an equally large number of raw materials.

Among natural products, higher quotations developed on sweet almond, cananga, distilled lime, Java vetiver, and wormseed. The latter development was connected with reports of the new crop being less than normal, although the quality is said to be excellent. The distilled lime position is acute and minimum quotations govern, regardless of the origin of oil.

Offerings of Ceylon citronella came in at lower prices, ending the period in which offerings were almost totally absent. Java citronella was also down in all markets. Shippers of cassia from China resumed offering after an absence of offerings for some time. Anise was cheaper and the more or less tense position of anethol and anisic aldehyde seemed relieved.

Scarcity of pineneedle oil is raising the call for native hemlock and spruce oils. Peppermint seemed softer under absence of substantial buying. Spearmint held steady.

Essential Oils

Almond.—Sweet oil stocks smaller. Prices higher at $2 to $2.50 per pound. Demand excellent.

Anise.—Spot prices down substantially to 95c. to $1 per pound. Upward pressure relieved by more general offerings.

Bay.—Call slightly irregular. Volume conservative. Prices steady.

Bergamot.—Demand centers on artificial material. Very firm undertones. High quality goods not readily obtainable.

Birchtar.—Tendency upward confirmed. Small stocks have poor spot distribution.

Bois de Rose.—Strong in all markets. Replacement offerings limited. Not too much spot stock. Demand good.

Price Changes

Advanced

Almond, sweet, 20c. per lb.
Cananga, native, 50c. per lb.
rectified, 50c. per lb.
Lime, distilled, 25c. per lb.
Vetiver, Java, $1 per lb.
Wormseed, 30c. per lb.

Reduced

Anise, 20c. per lb.
Citronella, Ceylon, 5c. per lb.
Java, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
227.8	227.0	224.0	127.0

Market news that may have developed after this report was sent to press will be found on page 4.

Cananga.—Higher. Native, $11.50 to $12 per pound. Rectified, $12.50 to $13 per pound. Most dealers lack supplies. Others vastly reserved. Replenishment uncertain.

Caraway.—Almost extinct on spot. Replenishment impossible. Normal primary markets completely cut off.

Cassia.—Confirmed at $7 to $7.50 per pound. Shipment offerings resumed. Very little oil unsold on spot. Sellers reserve supplies for regular customers.

Celery.—Little available, or likely to be. Quotations practically nominal. At least are subject to confirmation.

Citronella.—Both Ceylon and Java oil lower, spot and forward. Drums, Ceylon, 95c. to $1 per pound; Java, 75c. to 80c. Primary markets have loosened up.

Clove.—Firm prices. Active demand. Output well engaged.

Dill.—Active. Firm. Moderately stocked. Good outlet for all offerings.

Eucalyptus.—Limited supplies find buyers readily. Prices very firm. No occasional shading.

Geranium.—At least $16 per pound to be paid for anything available. Very little on spot.

Ginger. — Strong and practically nominal. Production cost held high by raw material prices.

Grapefruit.—New crop Florida season coming along. Finds firm spot market.

Hemlock.—Broader market developing. Result of low supplies pineneedle oil.

Lemon.—Sustained demand equals recent volume. Fully firm prices. Domestic production supplying market.

Lemongrass.—Limited stocks in firm hands. Primary market may loosen if stocks accumulate at shipment ports. Depends on buying by other countries.

Lime.—Either Jamaica or Mexican distilled oil costs fully $8 per pound. Scarcity almost acute. New sources sought. Expressed oil almost unobtainable.

Rose Oil

"A rose by any other name would smell at sweet." Not in the case of rose oil as used by topflight perfumers. If pure rose oil be available, it will be bought regardless of price.

The price of rose oil today has reached $28 per ounce, which was the peak price in World War No. 1—and pure, unadulterated oil is harder to get now than it was then. Spot stocks are virtually exhausted in firsthands. Oil still unsold is reserved mainly to fortify an artificial rose oil, now ranging $4 to $60 per pound.

The current minimum price is $28 per ounce, which compares with the price minimum of $5.25 in August, 1939. When Word War No. 1 began in August, 1914, the market was $10. It was down to $8.50 in 1916, and was $28 when the armistice was signed.

The minimum price was $5.25 per ounce in August, 1939. When World War No. 1 began in August, 1914, the market was $10. It was down to $8.50 by 1916, and had reached $28 when the armistice was signed.

World War No. 2 has cut off Bulgaria, producer of most of the rose oil used, from direct export. Anticipating this, importers in 1939 brought in 66,551 ounces, which compares with the previous five-year average of 32,689 ounces. In 1940, 39,812 ounces came here. And during the January-May period of 1941, 3,082 ounces arrived—an almost amazing accomplishment.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7.

Extreme Shortage of GENUINE FRENCH ROSEWATER highlights the many advantages of
ROSESOL MM&R
A water soluble concentrate (1 oz. makes a gallon of Rosewater higher in quality and lower in cost than Rosewater U. S. P.)
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Boston Chicago Philadelphia St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

Orange.—Brazilian oil finding fairly wide market. Spot stocks substantial. Price reasonable. Domestic oil well maintained.

Patchouli.—Showing fair price stability under fair demand.

Peppermint.—Some dealers report market slightly softer. Also indicate demand not very active. No further price recession.

Petitgrain.—Firm to strong due to replacement position. Spot demand very good.

Pineneedle.—All replacement practically impossible. Substitutes become important.

Spruce. — Scarcity of pineneedle raises interest in spruce. Considerably firmer.

Spearmint.—Well held. Selling in fair volume. Little local competition.

Vetiver.—Java oil advance extended. Market $17 to $18 per pound. Supplies narrow.

Wormseed.—Higher at $2.50 to $4 per pound. Crop reported smaller than normal. Quality very good.

Aromatic Chemicals

Anethol.—Slightly easier. Raw material cheaper. Demand fair.

Anisic Aldehyde.—Strength less apparent. Raw material more favorably placed.

Benzyl Acetate.—Active and strong. Stocks low. Production sold ahead.

Benzyl Alcohol.—Lack of sufficient raw material keeps production far under demand.

Benzyl Benzoate. — Supply insufficient to cope with demand. Prices strong.

Benzyl Cinnamate.—Little unsold material available. Output curtailed by raw material situation.

Benzyl Propionate.—Demand excellent. Beyond producers ability to supply.

Cinnamic Aldehyde. — Virtually nominal. No firm, unsold offerings. Output well engaged.

Cinnamic Alcohol.—Demand outruns supply. Production hurt by raw material difficulties.

Coumarin.—New customers out of luck. No stocks in first hands to supply such calls. Strong position.

Methyl Cinnamate.—Scarce, strong, and in good request.

Methyl Formate.—Demand lets up some, but not much. Suppliers' position unimproved.

Methyl Salicylate.—Need of raw material in other industries reduces supply for production of this salicylate.

Methylnaphthyl Ketone.—Producers virtually oversold. Nothing available for prompt delivery.

Musk.—Strong and active. Excellent market for anything available.

Phenylacetaldehyde. — Price tendency strongly upward. Scarce.

Phenylethyl Acetate. — Broad consuming market undersupplied. Producers pressed for prompt deliveries.

Phenylethylphenyl Acetate. — Only small lots available. Producers well sold up.

Phenylpropyl Alcohol.—Buyers interest in far distant deliveries. Very little available for prompt shipment. Prices strong.

Vanillin.—Guaiacol and lignin vanillin selling at even prices. Eugenol vanillin well maintained.

DCAT Fall Outing Program Completed

—*Continued from page* 3

T. R. Farrell, editor of the *Drug and Cosmetic Industry*, will act as chairman at the forum.

Speakers at the meeting include William S. Shipley, chairman of the board of the York Ice Machinery Corporation, who will discuss "York Plan of Industrial Cooperation"; J. C. Rovensky, vice-president of the Chase National Bank, who will talk on "The American Businessman in South America," and Dayton, Crowell, editof or Collier's, whose subject will be "The War as an Assignment."

Women's Beauty Costs Put at $800,000,000

The Census Bureau estimates that consumer expenditures in a normal year for goods and services designed to enhance feminine beauty approach $800,000,000. According to the 1940 Census there are 49,164,587 women in the United States aged fifteen years and over so the expenditure for beauty aids and services approximates $16 per capita. The last Census of Business recorded 83,071 beauty parlors, an increase from the 61,355 shown five years earlier. Volume of business done by beauty shops exceeds $231,000,000. Cosmetic manufacturing plants are located in thirty-three of the forty-eight States with New York having 193; Illinois, 64; California, 50; New Jersey, 34; Missouri, 32; Pennsylvania, 17; Ohio, 17, and Massachusetts, 16.

McK.&R., Ltd., Claims Settlement Is Asked

The board of directors of McKesson & Robbins, Ltd., has addressed a letter to stockholders proposing to settle for $950,000 claims of slightly more than $1,000,000 made by their company against McKesson & Robbins, Inc. According to the plant, McKesson & Robbins, Inc., would pay $95 a share to the holders of 10,000 shares of McKesson & Robbins, Ltd., preference stock and would purchase 10,000 outstanding common shares of McKessoin & Robbins, Ltd., at $2 a share.

Holders of the preference stock have until November 1, 1941, to deliver their shares to the Bridgeport-City Trust Company, as agent for the shareholders, to make the propused settlement possible.

Cork Allocation Plan Extended to March, 1942

OPD Washington Bureau
October 15, 1941

Extension of priority control over cork supplies and manufacturing processes until March 31, 1942, was announced today by Donald M. Nelson, Director of Priorities. Mr. Nelson issued a new general preference order (M-8-a), extending the control. The original order was scheduled to expire September 30, 1940. The new order makes no substantial change in the system of distributing cork by means of monthly allocations, made after examination of producers' proposed shipping schedules.

Soil Sponge Co. Agrees To Drop 'Peat Moss' Term

American Soil Sponge Selling Corp., Capac, Mich., engaged in the sale of peat, has stipulated with the Federal Trade Commission that it will cease and desist from the use of the words "peat moss" as descriptive of its products and from use of the words "peat moss" in any arrangement, either alone or in connection with any other word or words, so as to imply the belief that the product is moss peat, that is to say, a product consisting chiefly of the decomposed stems and leaves derived from species of Sphagnum mosses.

Coca-Cola Gets Injunction Against Fountain Supplier

Judge Edward A. Conger in the Federal district court in this city entered October 7 final judgment in the case of the Coca-Cola Company against Alfred Price, dealer in soda fountain supplies. The injunction restrains the defendant "from using on ...any beverage or syrup for making a beverage, other than the plaintiff's product, the trademark 'Coca-Cola'... or the term 'Coke' or any mark or term confusingly similar" or "from selling or supplying, on calls for 'Coca-Cola' or 'Coke,' any product other than plaintiff's."

Zinc Salts from Secondary Materials Out of 'Pool'

OPD Washington Bureau
October 16, 1941

Producers of zinc, zinc oxide, and zinc dust from secondary materials, under toll agreements, are exempted from setting aside any of these materials for pool uses, in an amendment to General Preference Order M-11, announced today by Donald M. Nelson, Director of Priorities. Galvanizers who redistill zinc dross or skimmings for their own use are still subject to the pool requirements.

The amendment also shifts from the processor to the owner of the materials, the obligation of setting aside a portion of zinc produced from primary materials under toll agreements.

N.Y. City Sales Tax Cut to 1%

The City Council last week accepted Mayor LaGuardia's recommendation to cut the city sales tax from 2 percent to 1 percent and the compensating use tax from 3 percent to 1 percent, effective October 27. The saving for taxpayers has been estimated at about $30,000,000 and was brought about by the decrease of unemployment and relief demand on the city.

A.C.S. Sugar Research Div. Headed by Cantor

Sidney M. Cantor, of the sugar research division of Corn Products Refining Company, has been elected chairman of the Division of Sugar Chemistry and Technology of the American Chemical Society. He succeeds R. Max Goepp, jr., of the Atlas Powder Company, Wilmington, Del.

Dr. Cantor, who is twenty-nine years old, is a native of Portland, Ore., and holds degrees from Reed College and Northwestern University. He has published research on sugar chemistry and polarography. Dr. George H. Coleman of the State University of Iowa becomes vice-chairman of the division, and E. Whitman Rice of the National Sugar Refining Company, New York, was reelected secretary and treasurer.

National Magnesium Blast Kills Two

Newark, N. J., Oct. 16, 1941

An explosion today at the plant of the National Magnesium Corporation killed two workers, critically injured two others and virtually demolished the production division.

The plant was valued at $130,000 by company officials, who also stated there were 10,000 pounds of magnesium powder, valued at from $1.50 to $2 a pound, stored there. None of this powder exploded, being protected from the production division by a thick fire-wall.

Obituaries

Samuel J. Devlin, assistant secretary of the Carborundum Company, Niagara Falls, N. Y., died October 13. He was seventy-two years of age.

Joseph W. Harbrecht, vice-president of the Hinde & Dauch Paper Company, died October 12. He was fifty-three years old.

Hugh Miller, a former purchasing agent at Richmond, Va., for the Virginia-Carolina Chemical Company, died October 14. He was seventy-three years of age.

James Troop, former Purdue University entomologist, died October 14. He was eighty-eight years of age.

Francis D. Ward, secretary-treasurer of the Brooks Oil Company, Cleveland, suffered a cerebral hemorrhage and died October 6. He was sixty-four years of age.

John R. Wilson, who had been connected with various paint concerns in the capacity of sales representative in Baltimore, his last position having been with the Atlantic Varnish Company, Richmond, Va., died at his home, 3025 Hamilton avenue, Baltimore, October 6 after a brief illness. He was seventy-seven years old.

De Heriot, Inc., has moved to larger quarters at 1109 Green Acres avenue, Los Angeles, for expanded manufacture of perfume and perfume articles.

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Petroleum Products

Midcontinent Crude Oil Situation Being Probed by OPA—Request for Higher Prices Prompted Survey — Ickes May Ask for Voluntary Proration in Illinois

A comprehensive investigation of the crude oil situation in the Midcontinent is now being conducted by the Office of Price Administration and the Federal Petroleum Coordinator. The survey was prompted by requests from producers in Midcontinent fields for a general increase in prices of crude. The producers, who asked for higher prices because of rising production costs, and to stimulate drilling and output operations, have been advised by the OPA not to advance prices until the survey is completed.

Meanwhile, it was indicated that Petroleum Coordinator Harold L. Ickes, who has turned down several plans for voluntary pro-rationing in California on the grounds that the producers who offered these plans did not go far enough, would request a similar proration program in Illinois. California and Illinois have been singled out by Mr. Ickes as the two most wasteful oil-producing States. Enforcement of conservation in both these States may be in the form of withholding priorities for needed equipment from producers failing to comply .

Paraffin wax dealers last week continued to mark time pending action of the federal price administration which is considering placing a ceiling on white crude scale. Another conference with producers is expected to be held this week. Petrolatums and white mineral oils remained tight and in good demand. Solvents and naphthas moved in good volume at unchanged prices.

Solvents and Diluents

Aromatic Naphthas. — The market relaxed somewhat as demand dropped off slightly. Call was still very heavy, however. Prices were steady.

Lacquer Diluent. — Tight and in heavy demand. Stocks low. Prices unchanged.

Cleaners' Naphtha.—Movement fair. Offerings limited. Price steady.

Mineral Spirits. — Better buying interest reported. Prices firm.

Rubber Solvent.—Less movement to rubber industry. Trade still well maintained, however. Price unchanged.

Stoddard Solvent.—Buying satisfactory. Price steady.

V. M. & P. Naphtha.—Good call. Quotations unrevised.

Markets at Other Centers

Chicago—Oct. 17

Continued pressure of buyers for additional material is reported, with offerings restricted to lesser quantities than apparently needed in most of the purchasing industries. Movement continues good in most products.

Crude Oil

The current investigation of the Midcontinent crude oil situation being conducted by the Office of Price Administration and the Federal Petroleum Coordinator can be traced back as far as July 15. On that date one of the largest buyers in the field asked that a price rise be allowed. Leon Henderson asked for a ninety-day delay in putting the advance into effect, while the government investigated the situation.

On October 7 the buyer, Phillips Petroleum Company, renewed its request, citing as reasons for desiring an immediate increase the fact that the declining rate of discovery can only be reversed by an advance, and the present increasing costs of production. The company asked that a 25c. per barrel avance become effective October 15.

Mr. Henderson again vetoed the idea stating that the magnitude of the problem precluded even a preliminary finding by his investigators on October 15. He pointed out that the price policies of the petroleum industry must not only serve the need for adequate and available supplies of oil for the country's expanding economy, but must also accord with the national interest in the avoidance of inflation.

Price Changes

Advanced

None

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Aromatic Naphthas. — Demand heavy. Price strong.

Cleaners' Naphtha.—Active interest, no price change.

Lacquer Diluent.—Much buying, market holding.

Mineral Spirits.—Movement to paint trade active. Prices stiff.

Rubber Solvent.—Inquiry active, quotations steady.

Stoddard Solvent. — Movement substantial. Prices strong.

V.M. & P. Naphtha.—Buying brisk. Prices steady.

New Orleans—Oct. 17

Little change was noted in the domestic market on cleaning solvent and V.M. & P. naphtha. Prices were firm and a conservative demand continued.

Cleaning Solvent. — Demand routine; price unchanged.

V.M. & P. Naphtha.—Normal demand; no change in price.

San Francisco—Oct. 17

Compared with previous weeks this market can now be described as routine. There was the usual call for deliveries in practically all divisions, with particular emphasis on aromatic naphthas. Sellers are apparently meeting all requirements and prices are steady.

Aromatic naphthas. — Continues to show broad trade demand. Orders very good. Prices firm and unchanged.

Petroleum Thinners.—Shipments very good. Prices steady.

Lacquer Diluent. — Active. Market tight. Prices firm.

V. M. & P. Naphthas.—Continues to be active. Tone stable.

Rubber Solvent.—No particular pressure at the moment. Routine.

Stoddard.—Producers expecting some seasonal drop.

Cleaners' Naphtha. — Routine. Shipments fair. Prices firm.

Tulsa—Oct. 17

There is a reluctance shown by refiners to meet demand due to basically strong position of raw materials. Buyers continue to seek material for remainder of year but trading is limited at current quotations.

Cleaners' Naphtha.—Seasonal pick-up, prices strong.

Stoddard Solvent.—Good call, prices unrevised.

V. M. & P. Naphtha.—Active demand, quotations strong.

Mineral Spirits. — Heavier shipments, prices steady.

Lacquer Diluent.—Limited offerings, prices firm.

Rubber Solvent.—Fair demand, prices steady.

Lighter Fractions

Butane.—Movement remained very narrow as supplies continued short. Buyers were anxious to acquire material, but many were encountering difficulty in doing so. The price remained strong but unchanged.

Heptane. — Producers were not offering too freely last week as supplies started to dwindle a bit. Output was well maintaned, but there was a larger demand present. No price change was made.

Hexane. — Movement satisfactory, with more inquiries reported. Price firm.

Octanes.—Good call noted. Offerings were routine. Price steady.

Pentanes.—Business here continued to broaden. Shipments became somewhat larger in volume. Price was steady.

Propane. — Scarcity continued to dominate. Offerings were limited. Price firm.

Markets at Other Centers

New Orleans—Oct. 17

Scarcity of supply continues in marked degree on most of these materials. Buyers generally have expanded their takings, while offerings are limited. Tone generally is strong.

Butane.—Scarcity continues. Prices strong.

Heptane.—Market brisk, no price change.

Hexane.—Good call, market steady.

Octanes.—Tone generally strong, prices holding.

Pentanes. — Movement good. Prices hold stiff.

Propane. — Available material tightly held. Prices holding firm.

Tulsa—Oct. 17

Scarcity of material hampers trading as buyers are seeking quantities in excess of current offerings. Manufacturers are increasing production, but are unable to meet current demand.

Butane.—Supply scarce, prices firm.

Propane.—Limited supply, prices unchanged.

Pentane.—Heavy demand. Quotations strong.

Petrolatums and Waxes

Paraffin.—Crude scale very tight at nominal price previously quoted. Trade marking time. Refined products moving well. Prices steady.

Petrolatums.—Good call. Market tight. Prices firm.

White Mineral Oils.—Buyers active. Supplies tighter. Prices steady.

Markets at Other Centers

Chicago—Oct. 17

The market for waxes and petrolatums is holding steady, with undertone healthy. Buyers seem anxious to obtain a somewhat larger quantity of material in the aggregate.

Paraffin.—Demand good, prices strong.

Petrolatums.—Call good, market holding strong.

White Mineral Oils.—Steady interest, quotations firm.

Tulsa—Oct. 18

A very strong position is developing for paraffin.

Paraffin.—Supply exceedingly limited, prices strong.

Petrolatum.—Fair demand, prices unchanged.

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Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Fuels and Lubricants

Gasoline.—Demand well maintained. Prices firm.

Kerosene.—Good call. Tone stable

Lubricating Oils.—Market active. Prices steady.

Markets at Other Centers

Chicago—Oct. 17

Extensive demand continues. Offerings are limited.

Gasoline. — Brisk movement, prices strong.

Kerosene.—Fair demand, market holding.

Lubricating Oils.—Good call, quotations firm.

New Orleans—Oct. 17

A conservative demand was experienced during the past week with quotations remaining unaltered.

Gasoline.—Market normal; price stable.

Kerosene.—Demand slow; price unchanged.

Tulsa—Oct. 17

Strong conditions prevail. Buying insistent.

Gasoline. — Shipments heavy, prices strong.

Kerosene.—Good demand, quotations steady.

Lubricants.—Buyers unable to fill current requirements, prices strong.

Aviation 'Gas' Refineries Get Equipment Rating

OPD Washington Bureau
October 16, 1941

High priority ratings for the construction of seven new plants for production of 100 octane aviation gasoline or of the base stock and blending agents used in the making of that fuel have been granted by the Office of Production Management, it was announced today by Petroleum Coordinator Harold L. Ickes. At the same time Mr. Ickes warned that the pending shortage of 100 octane fuel, unless corrected, would be likely to adversely affect upon the manufacture of high test gasoline for automobiles.

The petroleum industry is running into a general bottleneck in refining capacity which is rapidly becoming serious, Mr. Ickes said. The refinery shortage of capacity is now appearing, he explained, and unless more refinery capacity is made available, the entire country might be faced with a shortage of refined products. This shortage is due, he said, to greatly increased domestic and export demands. At the present time American refineries are operating at 94 to 95 percent of theoretical capacity, he said.

Barber Asphalt Elects Frank Seamans President

Frank Seamans has been elected president of the Barber Asphalt Corporation, Philadelphia, Pa. He succeeds J. E. Auten, resigned. E. R. Riter, who will continue also as secretary, was named a vice-president, filling the vacancy caused by the elevation of Mr. Seamans. T. Rieber, former chairman of the Texas Corporation, and Mr. Seamans were elected to the directorate.

A.P.I. President To Be Named in Nov.

Election of a successor to the late Axtell J. Byles, who died September 28, as president of the American Petroleum Institute is among the agenda for the meeting of the institute's board of directors to be held in connection with the petroleum trade association's twenty-second annual meeting at San Francisco, Calif., November 3 to 7. The term of office of Mr. Byles, who was elected as the institute's third full-time president in May, 1933, and who since had been re-elected annually, would have expired this year.

Heison Heads N.Y. Office Of Federal Oil Coordinator

Walter J. Heison, formerly of the Department of the Interior's Fish and Wild Life Bureau, Minneapolis, has been named manager of the New York office of the Federal Petroleum Coordinator, it was announced last week. Other appointments announced were:—Dustin W. Wilson, formerly consulting engineer with M. W. Kellogg & Co., this city, to be director of refining; Louis H. Spiner, formerly with the La Clede Gas Company, St. Louis, to be director of marketing, and James J. Wylie, formerly a geologist with Huntley & Huntley, Pittsburgh, to be director of production.

Oil Marketers Ask Output Restriction Repeal

Atlantic City, N. J., Oct. 14, 1941

The National Oil Marketers Association today called upon Congress to repeal all existing Federal laws either restricting or authorizing the restriction of petroleum production. The association is holding its annual convention here.

The group also asked that the Secretary of the Interior either to discontinue the issuance of the Bureau of Mines forecasts of demand, or that the amounts recommended in such forecasts be raised to such a point that above ground storage of petroleum may be raised to the level of national defense requirements. A blast also was directed at the Petroleum Coordinator for staffing his office with executives of the major oil companies which they are supposed to regulate.

OPA Accounting Division Appointments Are Made

OPD Washington Bureau
October 15, 1941

The following additions to the staff of the accounting division, Office of Price Administration, were announced today by H. F. Taggart, division head:—David P. Guest was appointed to the chemical section. He was engaged for fifteen years in accounting and financial management work with the West Penn Power Company of Pittsburgh and with the Allied Chemical Dye Corporation. Robert H. McChesney was appointed to the fuel section. He was formerly on the accounting staff of the Valvoline Oil Company.

Arthur A. Garrabrant, vice-president and assistant manager of foreign sales for the Atlantic Refining Company, has been named a director.

Price Hearing Told Of Inflation Influences

—Continued from page 3

dwellings in defense areas. This measure was supported by Price Administrator Leon Henderson in several weeks testimony before the committee.

Major provisions of the Gore bill are as follows:—

1. Ceilings for agricultural products at parity.

2. Ceilings on wholesale prices of all other commodities as of October 1.

3. Ceilings on all salaries, wages and commissions as of October 1, except those which are below the minimum requirements of the wage hour law.

4. The Secretary of the Treasury would be empowered and directed to institute suits to recapture all, not part but all, exorbitantly excessive profits arising out of national defense.

5. Fixing of a definite date for the termination of the powers granted under the act.

Oil Companies Drop Plan on Shipyard

Financing of a shipyard by eleven oil companies to construct thirty-six oil tankers to relieve the threatened Eastern seaboard oil shortage has been abandoned. The eleven companies were:—Cities Service, Consolidated Oil, Gulf Oil, Pan American Petroleum & Transport, Shell Union, Socony-Vacuum, Atlantic Refining, Texas, Tide Water Associated, Sun, and Standard Oil Company of New Jersey.

Asphalt Institute Issues Three Revised Specifications

Asphalt Institute has issued three revised construction specifications. The specifications, superceding revisions of May 15, 1934, are:—RM-1 for asphaltic road mix surface course of the macadam aggregate type; and RM-2 for asphaltic road mix surface course, of the dense graded aggregate type; and S-1 for asphalt surface treatment or retreatment of old bituminous surfaces.

IT'S TIME TO RALLY 'ROUND!

ANDERSON-PRICHARD INDUSTRIAL NAPHTHAS

"Necessity" may be the mother of invention---but in 1941, it's "scarcity." At any rate, what concerns the "other fellow" today also affects YOU. And it behooves us all to get together in Chicago and do our best to solve our common problems.

We'll be seeing you!

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Fertilizer Materials

Further Weakness Reported in Organic Fertilizer Materials — Blood, Tankage, Imported Raw Bone Reduced — Feed Buying Slow—Scarcity of All Chemicals Continues

Tone of the market for organic fertilizer materials continued to weaken last week, with reductions recorded in dried blood, tankage, imported raw bone and cottonseed meal. The feed trade remained apathetic to offers and little buying developed. As a result, all feed products were showing signs of easing further. Fertilizer mixers were greatly relieved by the evidences of weakness in the market. Chemicals were unchanged, with all grades very tight. Sulphate of ammonia was so scarce that one prominent producer was refusing export business.

Exports of fertilizers and fertilizer materials from the United States in the first seven months of 1941 totaled 682,137 long tons, 22 percent higher than the similar period of 1940, when tonnage totalled 557,235. Exports of phosphatic and potash materials were sharply higher, while shipments of all nitrogenous materials fell off. Imports in the period were 621,784 tons in 1941, against 989,312 in 1940. Principal changes were important decreases in ammonium sulphate, ammonium nitrate mixtures, sodium nitrate and all classes of potash materials; and increases in calcium cyanamid, guano, "other nitrogenous materials," superphosphate over 20 percent, and "other fertilizers."

Nitrogenates

Ammonia Phosphate.—Market tight. Price nominal.

Anhydrous Ammonia.—Few offerings. Tone stable.

Cyanamid.—Tight and unchanged.

Dried Blood.—Light trading. Reduced 5c. per unit at Chicago to $4.60. All prices easing.

Superphosphate

That 1941 production of superphosphate will be the largest in a number of years seems certain in view of August figures just released by the National Fertilizer Association. August output was 341,120 tons, a 13 percent rise over the 303,393 tons of August, 1940. Total production in the first eight months of 1941 was 2,674,676 tons, or 9 percent above the 2,446,369 produced in January-August, 1940.

Total stocks failed to show a seasonal increase during August, registering 1,305,568 tons. This was 10 percent less than the 1,248,226 tons on hand at the end of August, 1940. Shipments showed a considerable increase over last year. In August shipments were 224,446 tons, against 186,298 in August, 1940. In the first eight months of 1940 total shipments were 3,519,452 tons, compared with 3,036,056 in the similar period last year.

Prices were still at unchanged levels, levels that prevailed when superphosphate was last reviewed. Because of the very heavy demand and the low stocks, quotations may be regarded as virtually nominal.

Price Changes

Advanced

None

Reduced

Blood, dried, dom., 5c. per unit, f.o.b. Chi.
Bone, imp., raw, $1 per ton, c.i.f. ports.
Cottonseed meal, 8%, 25c. per ton, Southeast mills.
Tankage, dom., feed, f.o.b. N.Y., 25c. per unit.
f.o.b. Chi., 25c. per unit.
imp., 15c. per unit, c.i.f. ports.

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.6	70.6	70.6	67.3

Market news that may have developed after this report was sent to press will be found on page 4.

Fish Scrap.—No changes. Market quieter. Fishing about over.

Nitrogenous Material.—Scarce Prices steady.

Nitrate of Soda.—Good call. New business curtailed. Stocks low.

Sulphate of Ammonia.—Offerings limited. Market tight. Prices firm.

Tankage.—Prices on feed material reduced 25c. to $4.75 and 10c. at New York and $5.25 and 10c. at Chicago. Imported material down 15c. to $4.75 and 10c.

Potashes

There was no let-up in contract demand, movement holding to previous levels. Offerings remained small with no relief in the tight supply situation reported. Prices contined steady and unchanged.

Phosphates

Bone Materials.—Imported raw bone sold at $37.50 per ton, a reduction of $1. Domestic material easier.

Phosphate Rock.—Good call. Market steady.

Superphosphate.—A heavy demand remained with offerings small. Production was hampered by lack of the acid. Prices unchanged.

Sulphur and Pyrites

Crude sulphur deliveries were well maintained at previous levels. Contract call was unchanged, with only a small amount of new inquiries reported. Price was steady and unrevised.

Markets at Other Centers

Atlanta—Oct. 17

Fertilizer manufacturers are hoping that the weakness of some of the organic ammoniates may lower prices to their reach. Crop yields are such as to encourage very conservative buying of fertilizer materials in the Southeast.

Superphosphate.—58c. per unit; interior producing points.

Nitrate of Soda.—Bulk, ports, $30 per ton.

Sulphate of Ammonia.—$29 per ton, ports; $28, ovens.

Cottonseed Meal.—8%, $38 per ton, Southeastern points.

Blood.—So. Am., $4.15 per unit, port basis.

Baltimore—Oct. 17

Lack of rain has so slowed up farm activities that buying of mixtures has declined. Crude material markets are routine.

Fish Scrap.—No further sales. Price around $4.75 and 10c. per unit-ton. Meal nominally at $69 per ton.

Superphosphate.—Prices remain at $8.50 per ton for run-of-pile, $9 for 16 percent flat and $10 per ton for 20 percent supplies.

Tankage.—Quiet, with supplies available at $5 and 10c. per unit-ton.

Dried Blood.—Quiet at $4.25 per unit-ton.

Chicago—Oct. 17

Somewhat easier market conditions reported in some sections. Blood fairly well maintained. Inquiry for tankage less active. Bone materials in good call.

Blood.—Principal grade, $4.65 per unit.

Tankage.—High grade, $5.25 and 10c.; hoofmeal, $2,95 to $3; liquid stick, $2.45 to $2.50.

Bone Materials.—Ground, steamed bone, 1¼ and 60 percent, $40 to $42; 3 and 50 percent, $39 to $40; 4½ and 50 percent, $39 to $40; grinding hoofs, pigs' toes and waste horn materials, $40 to $42.50; cattle jaws, skulls and knuckles, $40 to $45; pork cracklings, soft pressed, $55 to $60; beef cracklings, soft pressed, $52.50 to $57.50; hard pressed cracklings, per unit of protein, $1.05 to $1.10.

San Francisco—Oct. 17

There was firmness throughout the crude fertilizers materials market last week in all products except fish meal. Tightness continues in chemicals.

Sulphate of Ammonia.—First hands have nothing to offer.

Nitrate of Soda.—Volume fair. Prices firm.

Superphosphate.—Domestic, 83c. per unit in bulk, f.o.b. San Francisco.

Ammonia Phosphate.—Sellers not quoting.

Fish Meal.—Easier. Demand fair. San Francisco Bay output, $68.50.

Tankage.—Scarce. Market firm.

Blood Meal.—Market very firm. Foreign, $4.20 per unit, f.o.b. dock, Los Angeles. Domestic, $4.25 to $4.30, Los Angeles.

Farm Cooperatives Are Indicted in 'Trust' Suit

—*Continued from page 5*

ized under the Capper-Volstead act, the department emphasized that the indictment does not cover any of the normal activities of farm cooperatives which are legalized by the act. The offense charged against the defendant cooperatives is an illegal combination with a private canning company and large private corporate growers of cranberries in the canning industry.

The indictment alleges that this combination of cooperatives and private companies obtained control of more than 70 percent of the cranberries sold in the fresh berry market and of more than 80 percent of the canned cranberry products manufactured and sold in the United States.

Sales in August

—*Continued from page 4*

Manufacturers' Inventories

	Aug. 31.
Chemicals and allied products	+ 7.8
Paper and allied products	+ 6.6
Petroleum refining	+ 3.9
Rubber products	+ 13.1
Textile mill products	+ 16.6

Wholesalers' Sales

	August.
Drugs and druggists' sundries	+ 20.0
Industrial chemicals	+ 55.0
Paints and varnishes	+ 41.0
Petroleum	+ 37.0

Wholesalers' Inventories

	Aug. 31.
Drugs and druggists' sundries	+ 8.0
Industrial chemicals	+ 18.0
Paints and varnishes	+ 13.0
Petroleum	+ 9.0

Exports

	August.
Coaltar chemicals	+ 6.0
Explosives, fuses, etc	+355.4
Gas and fuel oils	— 11.8
Industrial chemicals	+ 5.8
Lard	+670.7
Lubricating oil	— 20.5
Medicinal products	+ 69.8
Motor fuels	— 11.4
Naval stores, gums, and resins	+136.5
Petroleum, crude	— 93.0
Pigments	+ 54.6

Retail Sales

	August.
Drug stores, independents	+ 14.0
Chains	+ 11.5
Inventories (August 31)	+ 7.5
Filling stations, independent	+ 17.0

Trade Briefs

Shell Oil Company has completed a 40,000-barrel pipeline from Ventura to its refinery in Wilmington, Calif., a distance of 100 miles, at a cost of $2,000,000.

American Bitumuls Company, asphalt producer, South Baltimore, has installed one 80,000-gallon and two 40,000-gallon tanks. The installation follows the completion of an extension to the plant, which augmented its capacity by about 30 percent.

Fertilizer Tag Sales: August

	P.C. of	Equivalent tons —September—		P.C. of	—January-September—		
	1940.	1941.	1940.	1939.	1940.	1941.	1940.	1939.
Virginia	114	44,116	38,506	54,263	103	362,194	352,387	383,890
North Carolina	93	19,222	20,620	24,439	102	1,014,873	996,445	1,133,394
South Carolina	103	5,040	4,910	6,130	105	677,587	643,484	645,044
Georgia	160	5,513	3,456	5,310	105	751,634	718,119	671,512
Florida	68	32,665	47,703	41,999	113	433,516	382,364	345,485
Alabama	42	1,800	4,250	1,850	100	565,000	566,300	549,150
Mississippi	168	1,675	1,000	.....	110	323,617	294,295	277,846
Tennessee	23	1,363	6,018	1,120	99	128,338	129,891	117,799
Arkansas	175	350	200	250	120	113,100	93,950	65,622
Louisiana	130	11,600	8,900	11,460	113	160,510	142,431	137,188
Texas	177	11,095	6,258	7,328	118	129,226	109,839	88,337
Oklahoma	106	800	755	264	160	10,600	6,608	6,667
Total South	95	135,239	142,636	154,413	105	4,670,195	4,436,113	4,421,934
Indiana	73	32,939	45,406	28,450	111	332,537	299,350	256,958
Illinois	101	7,162	7,100	2,550	125	59,608	47,760	38,637
Kentucky	86	9,235	10,695	9,123	99	114,112	114,884	111,229
Missouri	54	15,539	29,019	22,064	102	86,039	84,599	64,081
Kansas	49	3,925	7,988	5,440	107	17,786	16,671	14,066
Total Midwest	69	68,800	100,208	67,627	108	610,082	563,264	484,971
Grand total	84	204,039	242,844	222,040	106	5,280,277	4,999,377	4,906,905

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Ass'n of Officials Agricultural Chemists, Washington, Oct. 27-29.
American Society of Agronomy, Washington, Nov. 12-14.
National Fertilizer Ass'n, Atlanta, Ga., Nov. 17-19.

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Shipping Information

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Imports at U. S. Ports

New York Imports

ALOE—135 tins, Wessel, Duval & Co, Puerto Cabello
22 cs, Curacao Trading Co, Trujillo
23 cs, Schutte & Focke, Trujillo
10 cs, New York & Porto Rican S S Co, Trujillo

ANISE, STAR—50 bgs, Wah Young Co
200 bgs, Wah Young Co

ANNATTO SEED—75 bgs, J B Long, Kingston
60 bgs, Pablo Calvet & Co, Maracaibo

ANTIMONY ORE—564 bgs, Banco Minero de Bolivia, Arica
2,827 bgs, Banco Minero de Bolivia, Antofagasta

ARROWROOT—400 bbls, Marningstar-Nicol, St Vincent
600 bgs, Morningstar-Nicol, St Vincent

ASBESTOS—2,000 bgs, Raw Asbestos, Ltd
2,010 bgs, Commercial National Bank Trust Co
667 bgs, Raw Asbestos, Ltd
657 bgs, Commercial National Bank Trust Co
1,000 bgs, Bank of London-South America
334 bgs, Bank of London-South America

ASPHALT—336 bgs, Allied & Asphalt Mineral Co, Havana

BABASSU KERNELS—1,666 bgs, 100 tons, General Food Sales Corp, Brazil
3,333 bgs, 200 tons, General Food Sales Corp, Brazil
4,167 bgs, 250 tons, General Food Sales Corp, Brazil
1,666 bgs, 100 tons, General Food Sales Corp, Brazil
3,333 bgs, 200 tons, General Food Sales Corp, Brazil

BALSAM—20 cs, Puerto Barrios
23 cs, C E Griffin Co, Cristobal

BARBITAL—1 cs

BELLADONNA—40 bls, R J Prentiss & Co
91 bls, R J Prentiss & Co

BLOOD, DRIED—1,000 bgs, Montevideo

BONES—719 bgs, American Agricultural & Chem Co, Barranquilla
1,335 bgs, Buenos Aires

BRISTLES—22 bdls, M Aninoff
13 cs, American Persia Fur Co
38 cs, E Azizullahoff
27 cs, R Schwarz, San Antonio
17 cs, Chesnut, Cooper & Co
150 cs, F H Cone & Co
100 cs, Universal Trading Corp
100 cs, F H Cone & Co
100 cs, Universal Trading Corp
200 cs, F H Cone & Co
50 cs, F H Cone & Co

CALCIUM TARTRATE—124 bgs, Chase National Bank, Valparaiso

CANARY SEED—549 bgs, Atlantic Product Co, Buenos Aires
220 bgs, Hinton & Co, Buenos Aires
221 bgs, Atlantic Product Co, Buenos Aires
254 bgs, Balfour, Guthrie & Co, Buenos Aires

CARDAMOM—20 cs, A G Dunn
15 cs, W E Martin, Puerto Barrios

CASEIN—284 bgs, C W Burckhalter, Buenos Aires

CASSIA—200 bls, Arnhold & Co
600 bls, A G Dunn
150 bls, Jewett & Sherman
500 bls, A G Dunn
50 bls, A G Dunn
50 bls, Hudson Worth Corp
300 bls, A G Dunn
250 bls, Balfour, Guthrie & Co
100 bls, East Asiatic Co
150 bls, Segal Brokerage Co
50 bls

BROKEN—400 bls, A G Dunn
50 bls, Segal Brokerage Co
50 bls, A G Dunn
100 bls, A G Dunn

BUDS—50 bls, Knickerbocker Mills

ROLLS—100 bls, Van Norden & Archibald
100 bls, L Z Mevorah
50 bls, A G Dunn

CASTOR BEANS—2,500 bgs, Baker Castor Oil Co, Ceara
5,000 bgs, Baker Castor Oil Co, Rio de Janeiro
3,100 bgs, Rio de Janeiro

CHEMICALS—10 cs, E Fougera & Co, Rio de Janeiro
53 bbls, Vera Cruz
380 bgs, Vera Cruz
40 bbls, Vera Cruz

CHILLIES—28 bgs, Brazilian Warrant Co
70 bgs
138 bgs, B H Old & Co
70 bgs

CHROME ORE—2,500 tons, E J Lavino & Co
1,500 tons, E J Lavino & Co

CINNAMON—60 bls, Volkart Bros

CLAY—73 cts, Wells Fargo & Co, Vera Cruz

CLOVES—350 bls, Geo Uhe Co
1,500 bls, Greene Trading Co
100 bls, Otto Gerdan Co
250 bls, Dodge & Olcott Co
480 bls, Geo Uhe Co
450 bls, Greene Trading Co

COBALT—2 bgs, Overseas Metal & Ore Corp, Arica

COCOA BEANS—2,000 bgs, Guaranty Trust Co, Ilheos
1,500 bgs, Royal Bank of Canada, Ilheos
2,000 bgs, National City Bank, Ilheos
1,500 bgs, Ilheos
2,000 bgs, Guaranty Trust Co, Ilheos
2,000 bgs, National City Bank, Ilheos
2,000 bgs, Ilheos
2,000 bgs, Guaranty Trust Co, Ilheos
1,000 bgs, Corn Exchange Bank Trust Co, Ilheos
3,000 bgs, Ilheos
1,000 bgs, National City Bank, Ilheos
2,000 bgs, Guaranty Trust Co, Bahia
500 bgs, Royal Bank of Canada, Bahia
1,000 bgs, Bank of Manhattan, Bahia
2,000 bgs, Bank of New York, Bahia
2,000 bgs, Guaranty Trust Co, Bahia
2,000 bgs, Bank of New York, Bahia
2,000 bgs, J Henry Schroeder Banking Corp, Bahia
2,000 bgs, Guaranty Trust Co, Bahia
3,000 bgs, Bahia
1,000 bgs, Guaranty Trust Co, Bahia
2,500 bgs, Bahia
250 bgs, Guayaquil
500 bgs, A Canale, Guayaquil
250 bgs, Wessel, Kulenkampf & Co, Guayaquil
500 bgs, Maracaibo
350 bgs, General Cocoa Co, Maracaibo

COCONUT, DESIC—500 cs, P Levy
506 bgs, Durkee Famous Food
383 cs, Durkee Famous Food
4,485 pkgs, General Food Sales Corp
724 bgs, Durkee Famous Food
485 cs, Durkee Famous Food

COCONUT SHELL, CHARCOAL—1,950 bgs, American Overocean Co

COCONUTS—111 bgs, General Food Sales Corp, St Lucia
380 bgs, Universal Import & Export Co, St Lucia
117 bgs, H J Schnell, St Lucia
500 bgs, Universal Import & Export Co, St Vincent

CORK—55 bls, Cork Product Co
2 bgs, Dodge Cork Co

DISCS—27 bls
140 bls, Crown Cork & Seal Co

SHAVINGS—220 bls, Mundet Cork Corp
190 bls, Mundet Cork Corp
229 bls, J Sennfelt
435 bls, J Sennfelt
361 bls, J Sennfelt

VIRGIN—438 bls, Mundet Cork Corp
342 bls, Mundet Cork Corp
302 bls, Mundet Cork Corp
220 bls, Armstrong Cork Co
100 bls, Mundet Cork Corp
350 bls, Armstrong Cork Co

WASTE—330 bls, Mundet Cork Corp
415 bls, Mundet Cork Corp
952 bls, Pablo, Calvet & Co
90 bls, Mundet Cork Corp
907 bls, Pablo, Calvet & Co
167 bls, J Sennfelt
551 bls, Pablo, Calvet & Co
232 bls, J Sennfelt
372 bls, Pablo, Calvet & Co
244 bls, J Sennfelt

WOOD—588 bls, Mundet Cork Corp
155 bls, Cork Trading Co
30 bls, Mundet Cork Corp
158 bls, Cork Trading Co
221 bls, Atlantic Pacific Mfg Co

COTTON LINTERS — 489 bls, Kauders Struber Co, Santos
306 bls, Rio de Janeiro
346 bls, Rio de Janeiro
94 bls, Rio de Janeiro
433 bls, Philadelphia National Bank, Rio de Janeiro

CUBE ROOT—60 bgs, Guaranty Trust Co, Callao

CUBEBS—48 bgs, F B Ross & Co

CUTTLEFISH BONES—100 cs, Manufacturers Trust Co

CYANIDE PRECIP—11 cs, South American Development Co, Guayaquil

DERRIS ROOT—40 bls, Dodge & Olcott Co
40 bls, S B Penick & Co
80 bls, Dodge & Olcott Co

DIVI-DIVI—2,390 bgs, Irving Trust Co, Pampatar

EARTH—4 pkgs, Jose Tamborrel, Vera Cruz

EPHEDRA—20 bls, Kachurin Drug Co

ERGOT—20 cs, R J Prentiss & Co

EUCALYPTUS LEAVES—116 bgs, Fleishman Burd & Co, Inc, Cristobal

FLAXSEED — 1,016,000 kilos, 40,640 bus, Bunge North American Grain Co, Buenos Aires
406,400 kilos, 16,256 bus, Bunge North American Grain Co, Buenos Aires
10,333 bgs, 22,732 bus, Bunge North American Grain Co, Buenos Aires
2,032,000 kilos, 81,280 bus, Bunge North American Grain Co, Buenos Aires
2,400,808 kilos, 93,032 bus, Leval & Co, Buenos Aires
2,359 bgs, 5,189 bus, Leval & Co, Buenos Aires
2,884,424 kilos, 115,377 bus, Bunge North American Grain Co, Buenos Aires
2,373 bgs, 5,220 bus, Bunge North American Grain Co, Buenos Aires

GALANGAL ROOT—25 bls, Geo Uhe Co
25 bls, Segal Brokerage Co

GENTIAN ROOT—119 bls, Royal Bank of Canada
262 bls, S B Penick & Co
236 bls, Kachurin Drug Co
226 bls, Royal Bank of Canada

GLUESTOCK—40 bls, Universal Comm Corp, Buenos Aires

GUANO — 1,500 bgs, Swift & Co, Buenos Aires
2,351 loaves, Buenos Aires
500 bgs, J Ryder, Buenos Aires
24 loaves, Buenos Aires
67 loaves, Buenos Aires
2,000 bgs, Swift & Co, Buenos Aires
3,540 bgs, Buenos Aires
2,000 bgs, Swift & Co, Buenos Aires
1,308 bgs, Buenos Aires

GUM, BYSABOLL—10 bbls, A D Isbetcherian

DAMMAR—280 bgs, Gillespie-Rogers-Pyatt Co
210 bgs, Gillespie-Rogers-Pyatt Co

GAMBOGE—10 cs, O Gerdau Co

KARAYA—123 bgs, R J Prentiss & Co
61 bgs, E Meer & Co
123 bgs, Innis, Speiden & Co
67 bgs, E Meer & Co
267 bgs, Innis, Speiden & Co
61 bgs, E Meer & Co
127 bgs, Innis, Speiden & Co
134 bgs, Thurston & Braidich
133 bgs, Thurston & Braidich

OLIBANUM—40 bgs, A D Isbetcherian
67 bgs, A D Isbetcherian
300 bgs, M Van Pels

TRAGACANTE—206 bgs, E Meer & Co
427 bgs, E Meer & Co
578 bgs, E Meer & Co

HERBS—13 bls, R J Prentiss & Co, Buenos Aires

HOREHOUND LEAVES — 303 bls, Irving Trust Co
19 bdls, Irving Trust Co

ILMENITE SAND—1,350 tons

IPECAC ROOT—5 bgs, S B Penick & Co, Rio de Janeiro
26 bgs, Continental Export Co, Cristobal
8 bgs, R D Heins, Cristobal
23 bgs, Merck & Co, Cristobal

JALAP ROOT—18 bls, New York & Cuba Mail S S Co, Vera Cruz

KOLA NUTS—15 bgs, F S Maynard & Son, St Lucia
37 bgs, D Steengrafe, Kingston

LARD, SALTED—2,500 bxs, Great Western Distr, Inc, Buenos Aires
1,000 bxs, Breakstone Bros, Buenos Aires

LAUREL LEAVES—100 bls, Ludwig Mueller Co
100 bls, Ludwig Mueller Co

LEAD CONC—258 bgs, Wedemann & Godknecht

LICORICE EXTRACT—87 cs, Public National Bank Trust Co

LIQUIDAMBAR—1 dm, Orbis Products Corp, Cristobal

LOGWOOD—23 tons, W & A Leaman, Kingston
43 tons, American Dyewood Co, Kingston

MANGROVE BARK—1,351 bgs, M E Schoen, Cristobal
2,904 bgs, Chase National Bank
473 bgs, Guaranty Trust Co

EXTRACT—4,000 bgs, Saxe Cutch Co
2,000 bgs, Saxe Cutch Co
2,000 bgs, Saxe Cutch Co
6,000 bgs, Saxe Cutch Co

MANIOC FLOUR—2,464 bgs, Rio de Janeiro

MATE—25 kgs, Rio de Janeiro

MEAT EXTRACT—123 bxs, Buenos Aires

MEDICINAL PREPS—4 cs, J E Bernard & Co
3 cs, E Fougera & Co, Vera Cruz
15 cs, C A Haynes Co, Buenos Aires
2 cs, D C Andrews & Co, Guayaquil
3 cs, United Fruit Co, Kingston
5 ctns, Bayer Co, Puerto Limon

MENTHOL—20 cs, Magnus, Mabee & Reynard

MERCURY BICHLORIDE—1 cs

MICA—7 cs, Wm Brand & Co, Mollendo
33 cs, American Mica Works, Victoria
16 cs, Ford Radio & Mica Corp, Victoria
27 cs, Flomarcy Corp, Inc, Victoria

MILK, POWD—100 cs, Nestles Milk Prod, Inc, Buenos Aires
350 cs, Nestles Milk Prod, Inc, Buenos Aires

MIMOSA, EXTRACT—1,912 bgs, American Dyewood Co

MINERALS—3 dms, Canadian Bank of Comm, Rio de Janeiro

MOLASSES—115 bbls, Boston Molasses Co, Demerara

MONAZITE SAND—960 bgs, Rare Mineral & Metal Co, Victoria

MURU MURU KERNELS—1,667 bgs, 100 tons, General Food Sales Corp, Brazil

NUTGALLS—504 bgs, Balfour, Guthrie & Co

OIL—9 dms, Venezuela Petroleum Co, La Guaira
5 dms, Texas Co, Trinidad

ANISE—3 dms, Fritzsche Bros
5 dms, Dodge & Olcott Co
7 dms, Bingham & Co
10 dms, Orbis Product Corp
5 dms, W J Bush & Co

CAMPHOR, BROWN—15 dms, Orbis Product Co
25 dms, Magnus, Mabee & Reynard

CAMPHOR, WHITE—10 dms, Orbis Product Co
20 dms, Norda Esential Oil & Chem Co

CASSIA—10 dms, Fritzsche Bros
3 dms, Fritzsche Bros
10 dms, Balfour, Guthrie & Co
20 cs, Geo Lueders & Co
20 cs, Norda Essential Oil & Chem Co

CASTOR—307 dms, I R Boody & Co, Buenos Aires

CHINAWOOD—111 cks

COD—100 dms, Canada

CORN—526 dms, Bunge North American Grain Co, Buenos Aires

COTTONSEED—293,506 kilos, Bunge North American Grain Co, Buenos Aires
295,120 kilos, Bunge North American Grain Co, Buenos Aires

ESSENTIAL—1 dm, Geo Lueders & Co, Kingston
2 dms, Magnus, Mabee & Reynard, Kingston

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
57,268 bbls, Central Petroleum Co, Tampico

LEMON—6 cs, Vera Cruz
16 cs, Vera Cruz
1 dm, F W Lyon, Vera Cruz

LEMONGRASS—5 dms, Bank of London South America, Cristobal

LIME, DIST—3 cs, American Lime Corp, St Lucia
4 cs, Floranyath Lab, Kingston
4 cs, J W Lyon, Kingston

LINALOE—6 dms, Irving Trust Co, Vera Cruz

LINSEED—50 dms, Balfour, Guthrie & Co, Buenos Aires
25 dms, Balfour, Guthrie & Co, Buenos Aires

ORANGE—83 cs, Chase National Bank, Rio de Janeiro
4 cs, J Pratt & Brake, Rio de Janeiro
27 cs, Dodge & Olcott Co, Rio de Janeiro
57 crates, Rio de Janeiro

PALM—158 tons
253 tons, Procter & Gamble
256 tons
249 tons, Banque Belge pour l'Etranger
488 tons

PENNYROYAL—13 dms, Norda Essential Oil & Chem Co

RAPESEED—458,115 kilos, Bunge North American Grain Co, Buenos Aires
390,906 kilos, Bunge North American Grain Co, Buenos Aires

ROSEMARY—36 dms, Norda Essential Oil & Chem Co

SASSAFRAS—6 dms, Rio de Janeiro

SHARK — 13 bbls, Ocean Leather Corp, Pampatar

SUNFLOWER SEED—400,118 kilos, Swift Canadian Co, Ltd, Buenos Aires
575,702 kilos, Bunge North American Grain Co, Buenos Aires

YLANG YLANG—2 cs, E I du Pont de Nemours Co
1 cs, Citrus & Allied Essential Oil Co

ORANGE PEEL—6 bbls, Curacao

ORE—1 dm, American Smelting & Refining Co, Arica

OX GALLS—6 tcs, Armour & Co, Montevideo

PAPAIN—10 cs, W Russel Howe

PATCHOULI LEAVES — 10 tons, Volkart Bros

PEPPER—50 bgs, Vera Cruz

BLACK—350 bgs, B H Old & Co
420 bgs, O Gerdau Co
350 bgs, H P Winter & Co

WHITE—420 bgs, O Gerdau Co
420 bgs, O Gerdau Co

PIMENTO—60 bgs, P H Petry & Co, Puerto Barrios
12 bgs, W E Martin, Puerto Barrios
100 bgs, Geo Lueders & Co, Kingston
100 bgs, E S Klinko, Kingston
100 bgs, Kachurin Drug Co, Kingston
100 bgs, A G Dunn, Kingston
100 bgs, J A Manton, Kingston

PYRETHRUM FLOWERS — 135 bls, John Powell & Co

QUASSIA CHIPS—100 bgs, S B Penick & Co, Kingston

QUEBRACHO EXTRACT—1,320 bgs, Tannin Corp, Buenos Aires
2,663 bgs, Tannin Corp, Buenos Aires
1,380 bgs, Tannin Corp, Buenos Aires

QUICKSILVER—10 flasks, New York & Cuba Mail S S Co, Vera Cruz
20 flasks, New York & Cuba Mail S S Co, Vera Cruz
48 flasks, Chase National Bank, Vera Cruz
25 flasks, New York & Cuba Mail S S Co, Vera Cruz
14 flasks, Chase National Bank, Vera Cruz

RHATANY ROOT—17 bls, S B Penick & Co, Arica

ROCK CRYSTAL — 27 cs, National City Bank, Bahia
150 cs, Rio de Janeiro
334 cs, National City Bank, Rio de Janeiro
360 cs, American Gem & Pearl Co, Rio de Janeiro
20 cs, Rio de Janeiro

ROSEMARY LEAVES—60 bls

SAGE LEAVES—330 bls, Kachurin Drug Co
547 bls

SCHEELITE—544 bgs, Philipp Bros, Arica

SEAWEEDS—671 bgs

SENNA LEAVES—140 bls, S B Penick & Co
52 bls, S B Penick & Co

PODS—27 bls, S B Penick & Co

SHARK LIVERS — 4 dms, Byrnes & Co, Havana

SHELLAC—300 bgs, Ralli Bros
100 bgs, Wm Zinsser & Co
100 cs, E Meer & Co
500 bgs, Carlton & Moffat
600 bgs, Ralli Bros

SEEDLAC—100 bgs, E Meer & Co
400 bgs, Cornelis & Suhr
1,050 bgs, Mac Lac Co
400 bgs, Mantrose Corp
200 bgs, United Shellac Co
200 bgs, Ralli Bros
300 bgs, Wm Zinsser & Co
300 bgs, Dings & Schuster
200 bgs, Schwab Bros
500 bgs, Mac Lac Co
400 bgs, Mantrose Corp
200 bgs, United Shellac Co
200 bgs, Wm Zinsser & Co
400 bgs, Dings & Schuster
300 bgs, Schwab Bros
1,000 bgs, Mac Lac Co
200 bgs, Mantrose Corp
100 bgs, E Meer & Co

SILVER SULPHIDE—100 bgs, J Henry Schroeder Banking Corp, Antofagasta

SOAPSTOCK—2,403 bgs, Prague Credit Bank, Buenos Aires
2,125 bxs, Buenos Aires

SPONGES—4 bls, J Bloch, Inc, Havana
5 bls, Havana

TALLOW—263 bxs, H J Baker & Bros, Buenos Aires
125 bxs, Buenos Aires

TANKAGE—475 cakes, Buenos Aires
1,102 bgs, Montevideo

TANTALITE, CONC—96 bgs, Philipp Bros

TAPIOCA FLOUR—1,000 bgs, Bank of New York, Rio de Janeiro
1,000 bgs, Bank of New York, Rio de Janeiro
4,974 bgs, 1 bx, Corn Product Refg Co, Puerto Plata

TARA POWDER—20 bgs, Nyanza Color & Chem Co, Salaverry
290 bgs, Tannin Corp, Salaverry

SHEATH—313 bgs, W R Grace & Co, Salaverry
453 bgs, W R Grace & Co, Salaverry

TARTAR—54 bgs, Standard Brands, San Antonio
12 bgs, W R Grace & Co, Callao

THYME LEAVES—158 bls
50 bls
82 bls
291 bls, R Hilliers Son
30 bls

TIN & WOLFRAM ORE—501 bgs, W R Grace & Co, Mollendo
389 bgs, W R Grace & Co, Mollendo
4 bgs, W R Grace & Co, Mollendo

TOLU BALSAM—96 cs, I Mezrahi, Barranquilla
10 cs, United Fruit Co, Barranquilla

TONKA BEANS—200 cks, Guaranty Trust Co, Puerto Cabello

TUCUM KERNELS—1,077 bgs, 65 tons, General Food Sales Co, Brazil

TUNGSTEN ORE—60 bgs, Overseas Metal & Ore Corp

VANILLA BEANS—7 cs, New York & Cuba Mail S S Co, Vera Cruz

WATTLE BARK—548 bgs, Tannin Corp
1,005 bgs, Tannin Corp
766 bgs, Tannin Corp
546 bgs, Tannin Corp

WAX, BEES—42 bgs, W R Grace & Co, San Antonio
32 bgs, W R Grace & Co, Valparaiso
71 bgs, W R Grace & Co, Valparaiso
5 bgs, Callao
26 bgs, P H Petry & Co, Puerto Barrios
14 bgs, Pan-American Export & Import Agency, Puerto Barrios
76 bgs, Rio de Janeiro
80 bgs, Rio de Janeiro
7 bgs, Curacao Trading Co, Trujillo
26 bgs, Schutte & Focke, Trujillo
18 seroons, New York & Porto Rican S S Co, Trujillo
19 bgs, W Russel Howe, Vera Cruz
1 cs, Wells Fargo & Co, Express, Vera Cruz
13 bgs, E Vadillo Ruis, Havana
23 bgs, D Steengrafe, Havana
19 bgs, D Steengrafe, Havana
22 bgs, Geck Trading Corp, Havana
48 bgs, Van Norden & Archibald
29 bgs, H Landauer
10 bgs, Gonalves

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.
Mail lists of arrivals promptly and regularly, or telephone them — REctor 2-9820.

WAX, CARNAUBA—56 bgs, W R Grace & Co, Ceara
56 bgs, T G Cooper & Co, Ceara
56 bgs, Rutger, Bleecker & Co, Ceara
56 bgs, American Cyanamid & Chem Co, Ceara
33 bgs, Wm Allison & Co, Rio Janeiro
251 bgs, Wm M Allison & Co, Brazil
OURICURY—55 bgs, W M Allison & Co, Rio de Janeiro
55 bgs, Strohmeyer & Arpe Co, Rio de Janeiro
56 bgs, A Hurst & Co, Rio de Janeiro
56 bgs, Wessel, Duval & Co, Rio de Janeiro
112 bgs, Wm M Allison & Co, Brazil
WINE LEES—96 bgs, Chase National Bank, Valparaiso
160 bgs, British American & Eastern Corp, Buenos Aires
WOLFRAM, CONC—500 bgs, Chase National Bank, Antofagasta
ORE—501 bgs, W R Grace & Co, Mollendo
173 bgs, Wah Chang Trading Corp
YEAST—1 pkg, Standard Brands, Havana

New York Transit Imports

BONES — 804 bgs, Armour & Co, Buenos Aires, Boston
1,615 bgs, Wilson & Co, Buenos Aires, Boston
307 bgs, Armour & Co, Buenos Aires, Boston
410 bgs, Armour & Co, Buenos Aires, Boston
CARDAMOM — 10 cwt, Volkart Bros, to Pacific ports
CASSIA—280 bls, D Hecht & Co, to Pacific ports
180 bls, D Hecht & Co, to Pacific ports
BROKEN—50 bls, D Hecht & Co, to Pacific ports
CINNAMON—100 bls, Volkart Bros, to Pacific ports
250 bls, Volkart Bros, to Pacific ports
280 bls, Volkart Bros, to Pacific ports
CLOVES—50 bls, Greene Trading Co, to Boston
COCA LEAVES — 1 bbl, Maywood Chem Works, Callao, Maywood
COCONUTS—300 bgs, St Vincent, to Montreal
700 bgs, St Vincent, to Montreal
COCONUT, DESIC—2,100 cs, to Pacific ports
300 cs, Balfour, Guthrie & Co, to Chicago
300 cs, Balfour, Guthrie & Co, to St Louis
1,452 bgs, to Pacific ports
CONCENTRATES—897 bgs, American Smelting & Refining Co, to Pacific ports
26 dms, American Smelting & Refining Co, to Pacific ports
COTTON LINTERS—100 bls, New England Waste Co, Buenos Aires, Boston
391 bls, New England Waste Co, Buenos Aires, Boston
342 bls, New England Waste Co, Buenos Aires, Boston
130 bls, New England Waste Co, Buenos Aires, Boston
107 bls, West Texas Product Co, Rio de Janeiro, Houston
260 bls, New England Waste Co, Rio de Janeiro, Boston
GUM, COPAL—100 bgs, to Pacific ports
MANGROVE BARK — 833 bgs, Guaranty Trust Co, to Norfolk
OIL, CITRONELLA—2½ tons, Volkart Bros, to Pacific ports
COCONUT—5 tons, Volkart Bros, to Montreal
PEPPER, WHITE—700 bgs, Otto Gerdau Co, to Pacific ports
PYRETHRUM FLOWERS—500 bls, Gulf Oil Co, to Pennsylvania
QUEBRACHO WOOD—945 pcs, Tannin Corp, Buenos Aires, Wilmington
SHELLAC—150 bgs, E E Androvette, to Los Angeles
100 bgs, E E Androvette, to Los Angeles
100 bgs, Berry Bros, to Detroit
WAX, BEES—36 bgs, Joosten & Janssen, to New Orleans

Baltimore Imports

BLOOD, DRIED—1,000 bgs, Buenos Aires
BONES—2,109 bgs, Santos
BONEMEAL—7,713 bgs, Buenos Aires
CHROME ORE—3,421 tons, Beira
COTTONSEED MEAL — 6,622 bgs, Buenos Aires
GASOLINE—83,757 bbls, Asiatic Pet Corp, Aruba
30,861 bbls, Asiatic Pet Corp, Trinidad
IRON ORE—4,800 tons, Masinloc
3,500 tons, Bethlehem Steel Co, Daiquiri
5,900 tons, Bethlehem Steel Co, Daiquiri
21,800 tons, Bethlehem Steel Co, Cruz Grande
5,000 tons, Masinloc
LOGWOOD—900 tons, J S Young Co, Cape Haitien
MANGANESE ORE—8,440 tons, Durban
6,000 tons, Durban
5,486 tons, Rio de Janeiro
5,600 tons, Rio de Janeiro
PETROLEUM, CRUDE—90,007 bbls, American Bitumuls Co, Las Piedras
94,257 bbls, Standard Oil Co N J, Las Piedras
PYRITES, IRON—4,727 tons, Huelva
QUEBRACHO EXTRACT—5,036 bgs, Buenos Aires
TANKAGE—11,800 bgs, Santos
2,010 bgs, Buenos Aires
11,323 bgs, Buenos Aires
ZINC CONCENTRATES—2,432 tons, Buenos Aires

New Orleans Imports

COCONUTS—79 tons, Belize
34 tons, Tela
GUM, CHICLE—30 tons, Belize
38 tons, Puerto Barrios

Philadelphia Imports

BERYLILLUM ORE—2,039 bgs, Berylillum Mining Corporation of Pennsylvania, Buenos Aires
CHROME ORE—5,000 tons, Freetown
CORK, WOOD—1,880 bls, Armstrong Cork Co, Lisbon
WASTE—10,943 bls, Armstrong Cork Co, Lisbon
VIRGIN—13,332 bls, Armstrong Cork Co, Lisbon
COTTONSEED MEAL—2,240 bgs, National City Bank of New York, Santos
MOLASSES—1,820,000 gls, Publicker Alcohol Corp, Cienfuegos & Boquernon
436,000 gls, Publicker Alcohol Corp, Haiti
1,303,754 gls, E I DuPont de Nemours & Co, Inc, Port Tarafa
OIL, COTTONSEED—331 cks, Tradesman Bank & Trust Co, Santos
PETROLEUM, CRUDE—117,829 bbls, Atlantic Refining Co, Las Piedras
29,542 bbls, Gulf Oil Corp, Puerto la Cruz
30,514 bbls, Gulf Oil Corp, Puerto la Cruz
77,000 bbls, Sinclair Navigation Co, Tuxpan
87,000 bbls, Sinclair Navigation Co, Tuxpan
TANKAGE—1,818 bgs, Swift & Co, Buenos Aires
1,818 bgs, Philadelphia National Bank, Buenos Aires
ZIRCONIUM ORE—740 bgs, Philadelphia National Bank, Santos

U. S. Exports

New Orleans Exports

ALUMINA SULPHATE—167 tons, Vera Cruz
ASPHALT—320 tons, West Coast South America; 78 tons, Cristobal
ETHER—2 ctns, Ceiba
GASOLINE—219 tons, Puerto Cabezas; 139 tons, Ceiba
LARD—111 tons, Havana
LIME, HYDRATED—300 tons, Ceiba
OIL, DIESEL—71 tons, Puerto Cabezas; 99 tons, Ceiba
FUEL—273 tons, Ceiba
LINSEED—22 tons, Havana
LUBRICATING—6 tons, Puerto Cabezas
LUBRICATING & GREASE—123 tons, Vera Cruz
PARAFFIN—116 tons, West Coast South America; 140 tons, Vera Cruz
PINETAR—6 tons, Vera Cruz
QUEBRACHO EXTRACT—70 tons, Vera Cruz
ROSIN—77 tons, Havana
SALT—146 tons, Havana
SODA, CAUSTIC—240 tons, Vera Cruz
CYANIDE—54 tons, Puerto Cabezas
ZINC DUST—21 tons, Puerto Cabezas
SHAVINGS—36 tons, West Coast South America

Philadelphia Exports

ACETONE—120 dms, Port Elizabeth
BENZOL—55 dms, Rio de Janeiro
BRAKE FLUID—1 cs, Beira
CLEANER COMPOUND—26 dms, Port Elizabeth
GREASE—25 dms, Lourenco Marques; 60 buckets & 50 dms, Port Elizabeth
OIL, FISH—20 dms, Port Elizabeth
LUBRICATING—251 cs & 40 dms, Paranagua; 20 dms, Port Elizabeth; 1,593 cs & 938 dms & 70 bbls, Rio de Janeiro; 438 cs & 105 dms, Santos; 236 cs & 302 dms, Rio Grande do Sul; 1,190 dms & 125 cs, Port Elizabeth; 10 cs & 205 dms, Beira; 1,125 dms & 190 cs, Lourenco Marques
PETROLATUM—25 buckets, Port Elizabeth

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—2,760 bbls, San Diego; 4,061 bbls, San Diego; 1,792 bbls, San Diego; 36,992 bbls, Richmond; 1,992 bbls, San Diego; 1,776 bbls, San Diego; 2,900 bbls, San Diego; 2,306 bbls, San Diego
OIL, DIESEL—18,986 bbls, Portland; 609 bbls, San Diego; 1,465 bbls, San Diego; 1,464 bbls, San Diego
FUEL—65,839 bbls, Everett; 68,758 bbls, Portland; 47,946 bbls, Seattle; 62,500 bbls, Portland

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Two Weeks Ended October 15

Almonds, bitter, 25 bags; worm-eaten; restricted use.
Balsam, medicinal, 19 cases; restricted use.
Canary seed, 369 bags; water-damaged.
Celery seed, 34 bags; water-damaged.
Cumin seed, 1,147 bags; dirty.
Henbane, 66 bales; not U.S.P.
Juniper berries, 100 bags; moldy.
Lycopodium powder, 1 case; not U.S.P.
Medicinal preparations, 1 case; false therapeutic claims.
Medicinal preparations, 2 parcels; new drug.
Nutmegs, 1,927 bags; restricted use.
Nutmegs, 560 bags; moldy.
Sage leaves, 25 bags; excess stems.
Sassafras oil, 5 drums; not U.S.P.
Sesame seed, 112 bags; insect-infestation.
Shark livers, 16 cases; decomposed.
Shark oil, 2 cases; decomposed.
Thyme leaves, 270 bags; dirty.

Baltimore

Two Weeks Ended October 15

Cocoa residue, 2,667 bags; restricted use.
Egg yolk, 134 cases; decomposed.
Fertilizer mixture, 6,622 bags; restricted use.
Ginger, 2 cases; decomposed.
Medicinal preparation, 1 parcel; not properly labeled.
Sesame seed, 150 bags; insect-infested.
Tapioca flour, 270 bags; water damaged.
Veterinary preparation, 1 parcel; not properly labeled.

Boston

Two Weeks Ended October 15

Codliver oil, 56 drums; false and misleading statements.
Hair dye, 2 parcels; not properly labeled.

Denver

Two Weeks Ended October 15

Medicinal, 2 pieces; omission of mandatory labeling.
Medicinal, 1 case; dangerous drug.

Los Angeles

Two Weeks Ended October 9

Fish livers, 9,113 pounds; decomposed.
Ginger, dry, 665 bags; filthy.

Philadelphia

Two Weeks Ended October 9

Cocoa beans, 1,028 bags; water-damaged.
Medicinal preparation, 1 parcel; new drug.
Medicinal preparations, 2 parcels, false therapeutic claims; no quantity of contents statement.

Seattle

Two Weeks Ended October 9

Medicinal, 12 pieces; false therapeutic claims; omission of mandatory labeling.

Trade Restraints And Business

—Continued from page 31

practice of permitting a proposed respondent, before complaint is issued, to enter into a stipulation with the commission whereby he admits the facts and undertakes to cease the practices in question and the commission accepts this undertaking as dispositive of the matter. This privilege is only denied to those whose practices amount to fraud or who, the circumstances indicate, will not abide by their undertakings. The great majority of matters which come before the commission and which are deemed to be unlawful, are settled by this method and the benefit to the hundreds of citizens involved, including many small and humbly financed enterprises, is obvious.

Policy of Cooperation

But the commission had not, by the institution of this procedure, exhausted its desire or its possibilities of further cooperating with business. Since its essential function is to secure the cessation of illegal practices and prevent their recurrence, the commission has sought, so far as the law will allow, to cooperate with industry and business in an advisory capacity in addition to exercising its prescribed statutory functions. Experience showed that a variety of questionable practices had been habitual in various lines of trade for many years, and that of these many were of a minor degree of unfairness and deceptiveness. Experience also showed that in many cases the participants in a given industry or branch of trade deplored the use of such practices, would be glad to see them eliminated from the trade, but quite sincerely maintained that no one participant could cease the practices without suffering a serious competitive disadvantage.

In this situation, the holding of some form of general conference with the trade was deemed to be highly desirable and the commission finally established a program of trade practice conferences which soon grew so successful that a special division of the commission was set up for the purpose of conducting and supervising such conferences. In its final development and as now going forward, the trade practice program consists in convening usually at its own request a majority of a given industry, trade, or segment of distribution. Under the supervision of a member of the commission, the participants thoroughly explore and canvass their problems and grievances in respect to improper practices. Finally they agree upon a set of rules, the language of which the commission formulates so that the rules accord with law and they are voluntarily accepted by the participants as hteir own rules, without any compulsion on the part of the commission.

It will be seen that by this procedure two things are accomplished:—One, the voluntary condemnation of practices by a competing group with the reasonable assurance to each that their use will no longer be a competitive menace to him, for the reason that voluntary signatories to these rules usually abide by them. Two, the avoidance of a multiplicity of formal proceedings. The advantage of this procedure to American business in all its phases is obvious. Here, without the interposition of any compulsion by the commission but under its informed guidance, industries voluntarily clean their own houses and adjust their business practices to conformity with law.

The essential nature of the Federal Trade Commission act is dynamic, as I hope my remarks have made clear. Its administration has been a continual mapping whereby shorelines are taking definite shape. Dangerous reefs and shoals are continuously being charted and the navigator has a trustworthy compass ready to his hand. He will find it in the many factual and legal precedents which have been established by the commission's processes, including both orders unchallenged and orders passed upon by the courts. Because of the facility of the commission's procedure in al its aspects, this body of precedent is constantly expanding and keeping pace with business practices as they change and develop along new lines.

And let me point out this important fact:—The final order of the commission, while requiring a cessation of illegal practices, looks primarily to future conduct and thus is a firm and safe foundation upon which to build toward a true and therefore a lasting prosperity, whereby our traditional policy of free enterprise and its handmaiden, private profit, may be preserved.

Today, the economic system of America is seriously threatened from without; let us determine that it shall no longer be threatened from within by the narrow service of self and that we will accordingly wipe out the aggrandizements of power, the illegal restraints imposed upon fair and free competition and the deceptive exploitations of the public, which are condemned by law because of their demonstrated menace to the national health.

Let us reorganize the march of our national industry and the distribution of its products, guided by the unfailing beacon light of true public service. Thus will our economy unerringly advance toward its highest and fullest development because, enhancing the public weal, it will create public good-will and reap the rewards of public confidence.

To this end your government offers its complete cooperation.

Bids Wanted

—Continued from page 4

Laundry Chemicals:—Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; invitation 431-131, opening October 28.

Lemon Juice:—Supplies of; Chief Purchase Division, Federal Surplus Commodities Corporation, Department of Agriculture, Washington; FSC 262, opening October 22.

Linseed Oil:—550,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9096, opening October 31.

Lubricating Graphite: — 5,500 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9051, opening October 30.

Metal Polish:—900,000 pints; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 8899, opening October 28.

Muriatic Acid:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9014, opening October 31.

Nitric Acid:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9014, opening October 31.

Paint:—Supplies of; Quartermaster, Marine Corps, Washington; schedule 704, opening October 23.

Paints:—Supplies of; Quartermaster, Marine Corps, Washington; schedule 686, opening October 23.

Petrolatum:—8,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9063, opening October 28.

Recoil Oil:—28,416 gallons; Commanding Officer, Rock Island Arsenal, Ill.; circular 906, opening October 21.

Red Lead:—400,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 8924, opening October 24.

Rust Preventive Compound: — 100,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; circular 943, opening October 22.

Sulphuric Acid:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 758, opening October 28.

Sulphuric Acid:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9014, opening October 31.

Tallow:—8,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9055, opening October 28.

Valve - Grinding Compound: — 12,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9020, opening October 30.

Whiting:—700,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 9034, opening October 30.

Dr. Ernest N. Pattee, professor of chemistry at Syracuse University's College of Liberal Arts, will retire at the close of the current semester, ending more than half a century on the university faculty.

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MEXICO:—If you want to export your chemical or manufactured products to Mexico through a reliable organization down there offering full moral and financial guarantees in New York, write to BOX 413, Oil, Paint and Drug Reporter.

MERCHANT with experience in tonnage business and ample funds for financing, if necessary, planning extended visit to Mexico and desires meeting party with proposition for either import or export. BOX 417, Oil, Paint and Drug Reporter.

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FOR SALE: Two used high side 2-roll Raymond mills with two No. 11 Raymond exhaust fans, with accessories and connecting piping. Inspection Mobile, Alabama. Pan-American Shell Corporation, Mobile, Alabama.

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE:—3 12x32 Day 5-roller mills, motor driven; pony mixers, 8 to 80 gals.; 3 Kent 8-in. lab., and 5 Ross, 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700 and 1,250 gals. jacketed mixers; 30 filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers; Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

FOR SALE:—One Abbe 5 ft. by 4 ft. silex lined pebble mill, motor driven; one Abbe 18 in. by 24 in. porcelain lined pebble mill, motor driven. Must move immediately. No dealers. Box 408, Oil, Paint and Drug Reporter.

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms - Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

Equipment Offered

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FOR SALE—Two 6 ft. x 10 ft. Feinco rotary dryer units; one 40 in. Tolhurst centrifuge, copper basket; Shriver filter press, 30 x 30 in., cast iron, center feed. 7 ft. x 10 ft. C. I. kettle—300 gal. agitated kettle. Lawler Company, Metuchen, N. J.

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MACHINERY FOR sale—26-inch unique Robinson attrition mill, like new, equipped with 2 20-HP AC 3-phase motors; cyclone, dust collector, shaker, screen. No dealers. BOX 420, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to Box 388, Oil, Paint and Drug Reporter.

WANTED—Dry powder mixer, ribbon type, heavy built, 6-800 lbs. capacity. Hammer mill-pulverizer, screen type (mikro-pulverizer No. 2 if possible) 1,000-1,500 lbs. capacity. Roberts-Davis Company, 1104 N. Detroit street, Los Angeles, Calif.

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